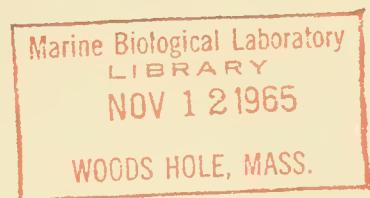


Collections by the Exploratory Fishing Vessels
Oregon, Silver Bay, Combat, and Pelican
Made during 1956-1960
In the southwestern North Atlantic

By Harvey R. Bullis, Jr., and John R. Thompson



UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

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**Collections by the Exploratory Fishing Vessels
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HARVEY R. BULLIS, JR., AND JOHN R. THOMPSON

Supervisory Fishery Biologists (General)
Bureau of Commercial Fisheries Biological Laboratory
Pascagoula, Miss.

INTRODUCTION

The Bureau of Commercial Fisheries has conducted fishery explorations in the tropical and subtropical waters of the western North Atlantic since 1950. Initially the work was confined to the Gulf of Mexico with a single vessel, the Oregon. In 1956 and 1957, an exploratory shrimp trawling survey was carried out on the Atlantic coast off the Southeastern States with the chartered vessels, Pelican and Combat (Bullis and Rathjen, 1959). In 1957 a medium-sized New England trawler, the Silver Bay, was chartered for 2 years of trawling and dredging work in the Gulf of Mexico (Captiva and Rivers, 1960), permitting part-time use of the Oregon on shrimp trawling surveys in the western Caribbean and as far south as the mouth of the Amazon River (Bullis and Thompson, 1959). In 1959, the Silver Bay was moved to Brunswick, Ga., to continue shrimp trawling explorations and to begin a fish trawling survey off the southeastern states. In addition to these vessels which have been used almost continuously, the Bureau's fishing gear research vessel George M. Bowers, now stationed at Panama City, Fla., has been used intermittently in exploratory fishing projects in the region.

The underlying aim of the total regional exploratory program is to inventory fishery resources in the western Atlantic south of Cape Hatteras; an integral part of the program is a gross faunal survey. Necessity for this survey was recognized shortly after start of the work in 1950, as the diversity of the species complex became apparent in hundreds of new geographical records and a rapidly expanding list of undescribed species and genera, and as our generally poor knowledge of the faunal magnitude became obvious.

The diversity of faunal collections obviously required studies by many different taxonomic specialists, which by far surpassed the capabilities of the limited staff assigned to the program. The large volume of biological

material being assembled also surpassed the capabilities of any single institution to provide all identifications and taxonomic studies needed to meet the needs of the survey. So gradually an extensive program of specimen exchange was developed with any and all interested taxonomists dealing with western Atlantic marine biota. Basic and representative collections were deposited in the U.S. National Museum. General collections of duplicate material also have been transferred to many of the major institutional collections throughout the United States. Over the years, the list of cooperators has reached about one hundred systematic zoologists and botanists from many biological institutions. All told, some 75,000 verified identifications have been received from the distribution of an estimated two million specimens.

A resume of the identifications made on board ship and received from collaborators covering the work of the Oregon during 1950-55 was published in 1956 (Springer and Bullis) as Fish and Wildlife Service Special Scientific Report--Fisheries, No. 196. The basic intent of that paper was to serve as liaison among the scientists working on the collections of fishes, crustaceans, and mollusks, and a small edition of 1,200 copies was printed. The supply was quickly exhausted, and within a few years the report was out of print. Because SSR-F No. 196 contained a wealth of new distributional records, including those for new species that had been described from Oregon collections in diverse journals, it was used extensively as a quick summary reference by most taxonomists and ecologists dealing with the offshore marine fauna of the region. We have since received innumerable requests for a similar presentation of identifications and locality records that were submitted subsequent to the publication of SSR-F No. 196, and for summaries of the determinations that have been made from the collections of the exploratory work conducted since 1955.

From the start of the program in 1950 through 1960 the exploratory fishing vessels completed the following units of field work: R/V Oregon, 72 cruises and 3,174 fishing stations; R/V Silver Bay, 27 cruises and 2,584 fishing stations; R/V Combat, 10 cruises and 530 fishing stations; and R/V Pelican, 3 cruises and 79 fishing stations. The specific cruise objectives varied from general trawl and dredge reconnaissances of unknown and unexplored areas to detailed commercial evaluations of shrimp, snapper, grouper, tuna, scallops, clams, sardine-like schooling fishes, other foodfish species, and industrial or scrap fish.

To accomplish these objectives a wide variety of gear was used, principally commercial type fishing equipment. Commonly used were shrimp trawls (Bullis, 1951), fish trawls (Captiva and Rivers, 1960), midwater trawls (Thompson, 1959; Bullis, 1960), scallop and clam dredges (Bullis and Cummins, 1961; Cummins, Rivers, and Struhsaker, 1962), seines and lampara nets (Butler, 1961), long-lines (Bullis, 1955; Captiva, 1955; Wathne, 1959), and handlines. Also, a large volume of material was collected at night-light dip-netting stations and lesser quantities at rotenone stations on isolated reefs in the southern Gulf of Mexico and in the western Caribbean.

The 40-foot shrimp trawl was used as a standard gear for bottom exploration. This trawl was fished with 5-, 6-, and 7-foot doors using a single warp and bridle. Generally a tickler chain was attached. Mesh size in the trawl body was 2-inch stretched, and the codend was 1-3/4-inch stretched mesh of 42-thread cotton. Frequently 1/4-inch stretched mesh was used to line the codend. Underwater observations of the trawl reveal that it spreads to cover an optimum path some 25 feet wide, at speeds of 2 to 3 knots (Bullis and Cummins, 1963). Door sizes and changes in speed alter the opening width within a range of ± 20 percent. Looped chain on the footrope and one to three sponge floats on the headrope were used in conformity with industry practices.

Advantages of using the 40-foot shrimp trawl include dependability of performance, ease of construction and repair, and reasonable cost (less than \$100 for materials). Early comparisons with industry try-nets (12- to 18-foot stretched spread) and the larger commercial trawls (65- to 120-foot stretched spread openings) indicate that the 40-foot size was minimum for obtaining a representative sample of the species on shrimp grounds and a reliable estimate of their densities. This type of net, however, is obviously selective, and gross faunal evaluations based on shrimp trawl catches alone can be quite misleading. The larger and more active species of fish and the sedentary or partially burrowed invertebrates are usually not caught or are taken only

rarely. Therefore, 5- to 8-foot scallop dredges and 55- to 65-foot New England-style fish trawls were also used in general reconnaissance surveys.

The pattern of exploratory fishing stations differs markedly from patterns dependent on the use of preplanned grid stations. In general terms, an exploratory survey of an area is initially undertaken as a series of trawl and dredge drags that cover a preselected depth range. Trawling transects on the Continental Shelf are designed to include one or more drags at every 5-fathom depth interval. Only rarely can this be accomplished owing to frequent trawling interruptions caused by rock and coral bottoms that preclude all types of normal trawling. Preliminary reconnaissance on the Continental Slope involved drags at intervals of 10 to 25 fathoms out to the 300-fathom contour. From 300 to 500 fathoms, trawling stations are made at 50-fathom intervals, and when lower shelf coverage is scheduled, 100-fathom intervals are fished. To date, only a limited amount of trawling has been conducted at depths greater than 1,000 fathoms. The maximum depth we have fished during explorations with a trawl is 2,080 fathoms. As in shallow water transecting, the pattern on the slope is frequently interrupted, chiefly owing to sudden changes in slope configuration. Trawling on slope angles greater than 45° has been uniformly unproductive of large biological samples.

In addition to depth coverage, every effort is made to sample all trawlable bottom types within each depth stratum. Good samples can be obtained on mud, sand, and shell and gravel. On sponge and alcyonarian bottom the trawl generally becomes overloaded, making analysis of samples obtained from these bottoms difficult. Bottom temperature transects are made in an effort to trawl through the various temperature strata. Finally, exploratory coverage of the bottom is designed also to examine the distribution and density of bottom organisms in relation to temperature.

When plotted on a cruise chart, the patterns emerging from the explorations may tend to indicate a rather haphazard fishing station plan. Indications are, however, that the organisms of interest in the studies tend to orient themselves to bottom type, water temperature, and depth much more closely than to any arbitrary grid system that can be laid out neatly on a chart.

A major goal of this program is a 4-season coverage of all Continental Shelf and Slope areas from Cape Hatteras to eastern Brazil. We believe that the resulting data should show distributional patterns of bottom fauna. To facilitate this study, the total backlog of species distributional data has been transferred to automatic data processing cards, and preliminary faunal summaries are now being prepared.

The species list is not complete, for questionable identifications have not been included. All station records of field identifications have been carefully reviewed, and only those considered highly reliable are included. Also, certain species have been fished extensively in restricted localities, and a complete listing of a number of these, such as the royal-red shrimp (*Hymenopenaeus robustus*) and the calico scallop (*Aequipecten gibbus*), would require useless repetition. A number of excessive repetitive records have been omitted. An effort has been made to present all horizontal, vertical, and seasonal distribution records of identified animals.

In this report, as was the case with SSR-F No. 196, many field identifications are combined with identifications received from cooperators and colleagues. In the earlier report many taxonomic discrepancies were apparent because the authors attempted to draw a compromise from differing opinions. In the present report, we hope that valuable counsel from many specialists has enabled us to eliminate many of these errors. This counsel, however, has not removed certain problems that require taxonomic compromise. We, therefore, accept complete responsibility for what may seem to be occasional, unwarranted departures from names that have been generously contributed by our many colleagues.

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LIST OF CRUSTACEANS

BOPYRIDAE

Bopyrina sp.

Oregon Station 1711

ACANTHONOTOZOMATIDAE

Iphimedia sp.

Oregon Station 2091

CIROLANIDAE

Bathynomus giganteus A. Milne-Edwards

<u>Oregon</u> Station	1445	1451	1452	1538	1540
	1541	1542	1547	1550	1564
	1567	1577	1883	1906	1911
	1'17	1'18	1919	1920	1921
	1'22	1923	1924	1926	1927
	1'28	1929	1930	1931	1932
	1'33	1942	1943	1944	1945
	1'46	1947	1948	1949	1951
	1953	1954	2008	2009	2025
	2082				

AMPHITHOIDAE

Ampithoe ramondi (Audouin)

Oregon Station 2091

AMPHILOCHIDAE

Gitanopsis sp.

Oregon Station 2091

COROPHIIDAE

Eriクトonius brasiliensis (Dana) ?

Oregon Station 2091

METOPIDAE

Metopella sp.

Oregon Station 2091

PHYRONIMIDAE

Phronima sedentaria (Forskal)

Oregon Station 1370

EXOCORALLANIDAE

Exocorallana sp.

Silver Bay Station 71

LANIRIDAE

Janira sp.

Oregon Station 2091

PHROSINIDAE

Phrosina semilunata Risse

Oregon Station 1370

MYSIDAE

Mysidium integrum Tattersall

Silver Bay Station 71

PLATYSCELIDAE

Hemityphis rapax (A. Milne-Edwards)

Oregon Station 1372

Mysidopsis bigelowi Tattersall ?

Silver Bay Station 67

Platyscelus ovoides Claus

Oregon Station 1370

STENETRIIDAE

Stenetrium sp.

Silver Bay Station 60

PODOCERIDAE

Dulichia sp.

Oregon Station 2091

ARCTURIDAE

Astacilla sp.

Oregon Station 2091

PRONOIDAE

Parapronoe crustulum Claus

Oregon Station 1370

CYMOPODIADE

Lironeca sp.

Oregon Station 2076

STENOTHOIDAE

Stenothoe sp.

Oregon Station 1875

SPHAEROMIDAE

Exosphaeroma antillense ?Richardson

Oregon Station 2091

Stenothoe gallensis Walker

Oregon Station 2091

PENAEIDAE

Aristaeus antillensis Bouvier

<u>Oregon</u> Station	1427	1565
<u>Combat</u> Station	171	446

Aristaeomorpha foliacea (Risso)

<u>Oregon</u> Station	1406	1506	1567
<u>Silver Bay</u> Station	442	2421	
<u>Combat</u> Station	444	446	447

Benthescycmus hartletti Smith

<u>Oregon</u> Station	3218
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Hymenopenaeus debilis Smith

<u>Combat</u> Station	452
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Hymenopenaeus modestus Smith

<u>Combat</u> Station	171	177	226
	237	442	446
	453		

Hymenopenaeus robustus Smith

<u>Oregon</u> Station	1441	1442	1443
	1444	1445	1446
	1447	1448	1449
	1450	1451	1452
	1453	1454	1455
	1456	1458	1460
	1461	1462	1463
	1464	1465	1466
	1467	1502	1505
	1506	1507	1508
	1509	1516	1517
	1518	1519	1521
	1524	1525	1526
	1527	1528	1529
	1530	1538	1539
	1540	1541	1542
	1543	1544	1545
	1546	1547	1548
	1549	1550	1551
	1556	1557	1561
	1562	1563	1564
	1565	1566	1567
	1568	1569	1570
	1571	1572	1573
	1574	1575	1576
	1577	1578	1579
	1580	1581	1581
	1872	1885	1886
	1887	1908	1910
	1914	1915	1917
	1918	1919	1920
	1921	1922	1923
	1924	1925	1926
	1927	1928	1929
	1930	1931	1932
	1933	1942	1943
	1944	1945	1946
	1947	1948	1949
	1950	1951	1952
	1953	1954	1962
	1963	1964	1965
	1966	1967	1968
	1969	1970	1971
	1972	1981	1984
	1991	2669	2671
	2672	2673	2674
	2772	2774	2775
	2776	2777	2779
	2780	2782	2825
	3169	3171	

Silver Bay Station

211	212	213
214	216	217
218	219	220
221	223	224
225	227	228
229	230	231
232	234	235
236	237	249
250	317	318
449	450	454
457	463	467
468	469	470
486	1177	1178
1179	1180	1181
1185	1189	1190
1191	1192	1193
1194	1198	1199
1203	1551	1552
1604	1605	1606
1607	1608	1609
1610	1611	1612
1616	1617	1618
1619	2040	2062

PENAEIDAE
(contd.)

2063	2064	2065
2066	2067	2068
2069	2070	2073
2074	2075	2076
2421	2458	

Combat Station

1	2	3
4	7	8
9	11	12
13	14	16
17	18	19
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
38	39	40
41	83	84
85	86	87
103	104	106
140	171	185
186	187	190
191	192	193
194	195	196
197	198	205
206	207	208
209	210	211
212	213	214
215	225	226
228	256	269
271	279	300
315	317	318
332	361	362
410	413	414
420	421	430
431	436	438
439	441	444
453	459	460
471	493	494

Pelican Station

9	10	11
13	17	18
20	25	26
27	28	34
38	48	49
51	53	54
56	57	65
66	70	71
76	77	79

Hymenopenaeus tropicalis (Bouvier)

<u>Combat</u> Station	101	396	491
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Parapenaeus americanus Rathbun

<u>Oregon</u> Station	1320	1345	1881
<u>Combat</u> Station	237	238	446

Parapenaeus longirostris (Lucas)

<u>Oregon</u> Station	273	1421	1514
	1877	1881	2205

Combat Station

<u>Oregon</u> Station	2249
<u>Silver Bay</u> Station	53
<u>Combat</u> Station	119

<u>Combat</u> Station	497
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George M. Bowers Station

57

Penaeopsis megalops (Smith)

<u>Oregon</u> Station	1463	1464	1502
	1504	1509	1516
	1517	1524	1526
	1527	1537	1542
	1543	1547	1548
	1562	1565	1564
	1567	1568	1569
	1570	1573	1577
	1578	1871	1887
	1910	1911	1914
	1923	1925	1928
	1929	1931	1942
	1943	1949	1952
	1961	1962	1965
	1964	1965	1968
	1969	1970	1971
	1972	1981	2004
	2007	2008	2009
	2669	2670	2671
	2672	2673	2674
	2774	2775	2776

PENAEIDAE
(contd.)2777 2780 2781
2782 3171 3173PENAEIDAE
(contd.)1227 1262 1268
1284 1285 1286
1287 1288 1289
1290 1313 1351
1529 2165 2393
2400 2402 2407
2408 2409 2498Silver Bay Station211 216 227
232 317 442
470 1192 1193
1198 2449 2458Combat Station1 18 174
178 179 186
188 279 300
308 310 358
359 410 419
420 422 433
436 438 439
441 446 448
467 470 474
475 476 484Pelican Station9 10 11
20 25 26
27 72 74Penaeopsis (metapenaeopsis) smithi SchmittOregon Station

1848

Penaeus aztecus IvesOregon Station1494 1495 1496
1497 1498 1499
1500 1531 1532
1533 1534 1535
1536 1627 1630
1631 1651 1652
1660 1661 1671
1745 1749 1754
1759 1760 1761
1762 1763 1766
1767 1770 1771
1775 1776 1777
1781 1786 2111
2462 2463 2476
2492 2504 2514
2517 2518 2524
2527 2532 2533
2552 2553 2554
2691 2694 2698
2699 2700 2701
2702 2704 2705
2706 2707 2708
2709 2740 2742
2748 2852 2854
2855 2857 2859
2860 2861 2862
2866 2867 2869
2872 2873 2874
2875 2876 2877
2878 2879 2880
2881 2883 2884
2885 2886 2889
2895 2896 2897
2898 2899 2902
2903 2905 2907
2908 2909 2910
2912 2914 2915
2928 2930 2935
2937 2939 2940
2960 2976 2977
2979 2984 2985
2986 2987 2988
2989 2990 2996
2998 2999 3000
3002 3003 3007
3008 3009 3010
3011 3013 3014
3015 3017 3018
3019 3020 3021
3022 3033 3041
3042 3043 3044
3046 3053 3066
3078 3095 3109
3114 3124 3149
3174Silver Bay Station3 5 6
8 12 59
88 158 163
165 166 167
168 169 170
178 180 181
182 184 187
190 194 203
207 239 241
242 243 244
245 258 260
262 263 265
267 274 281
300 312 679
680 681 682
799 800 803
816 1120 1121
1212 1213 1226PENAEIDAE
(contd.)1227 1262 1268
1284 1285 1286
1287 1288 1289
1290 1313 1351
1529 2165 2393
2400 2402 2407
2408 2409 2498Combat Station

94

Pelican Station

3

Penaeus brasiliensis LatreilleOregon Station

2249

Combat Station

397

Penaeus duorarum BurkenroadOregon Station1554 1600 1627
1673 1674 1678
1685 1688 2397
2445 2448 2472
2499 2903 2915
3007 3033 3033Silver Bay Station59 60 66
67 73 84
88 118 132
134 139 143
146 149 152
153 163 365
401 498 504
509 543 567
576 577 579
580 583 587
595 609 620
624 638 647
672 676 718
847 848 849
864 914 940
1286 1287 1288
1290 1299 1313
1345 1351 1410
1485 1486 1487
1528 1553 2165
2213 2214 2223
2224 2225 2226
2242 2288 2354
2357 2358 2376
2377 2378 2388Combat Station333 334 335
344 345 377Pelican Station

3 8 32

Penaeus setiferus LinnaeusOregon Station1495 1751 1784
2093 2123 2125
2193 2375 2461
2469 2495 2496
2499 2501 2502
2503 2504 2561
2562 2563 2667
2689 2878 2879
2680 2684 2902
2905 2914 2915
2969 2971 2972
2973 2974 2975
2976 2991 2993
2994 2995 3004
3005 3017 3095
3149Silver Bay Station165 166 167
168 170 240
241 242 243
244 245 246
365 1286 1287
1357 1726Pelican Station

1 2 3

Plesiopenaeus edwardsianus (Johnson)Oregon Station1871 1872 1907
1915 1916 1917
1919 1922 1927
1928 1929 1930
1931 1932 1933
1944 1945 1946
1947 1948 1952
1853 1954 2010
2011

PENAEIDAE (contd.)	<u>Silver Bay</u> Station	452	1181	1182	SERGESTIDAE (contd.)	<u>Lucifer typus</u> Edwards
		1194	1195	1196		<u>Oregon</u> Station 1336
		2421				
	<u>Sicyonia</u> sp.				PASIPHAEIDAE	<u>Leptocheila bermudensis</u> Gurney ?
	• <u>Oregon</u> Station	2249				<u>Oregon</u> Station 1848
	<u>Sicyonia brevirostris</u> Stimpson					<u>Leptocheila</u> sp. nov.
	• <u>Oregon</u> Station	1497	1553	1631		<u>Silver Bay</u>
		1651	1734	1755		at anchorage, Cay Arcas
		2859	2862	2872		
		2960	2961	2979	Pasiphaea	<u>merrami</u> Schmitt
		3027	3039	3046		<u>Oregon</u> Station 1942 2007
		3066	3124	3174		<u>Combat</u> Station 444
	<u>Silver Bay</u> Station	88	189	258		<u>Pasiphaea</u> sp.
		281	573	577		<u>Oregon</u> Station 2009
		579	580	595		
		636	638	641	OPLOPHORIDAE	<u>Acanthephry</u> <u>acutifrons</u> Bate
		647	651	654		<u>Oregon</u> Station 2199
		660	664	667		<u>Acanthephrya</u> <u>armata</u> A. Milne-Edwards
		668	712	718		<u>Oregon</u> Station 1911 1955 2011
		915	916	940		2399 2637 2640
		1208	1211	1212		3218
		1213	1219	1220		
		1227	1235	1238		<u>Acanthephrya</u> <u>eximia</u> Smith
		1248	1260	1289		<u>Oregon</u> Station 2577
		1294	1299	1313		<u>Ephyrina</u> <u>hoskynii</u> Wood-Mason
		1345	1393	1484		<u>Oregon</u> Station 2200
		1485	1528	1537		<u>Ophelorus</u> <u>gracilirostris</u> A. Milne-Edwards
		1654	1742	1947		<u>Oregon</u> Station 1302 1949 1953
		1948	2388	2389		2007 2009 2011
		2407	2436	2494		2191 2200 2201
		2504	2511	2522		2353 2396
		2524	2525			
	<u>Combat</u> Station	64	65	73		<u>Ophelorus</u> <u>spinicauda</u> A. Milne-Edwards
		119	158	333		<u>Oregon</u> Station 2191
		334	335	337		<u>Systellaspis</u> <u>affinis</u> (Faxon)
		338	341	347		<u>Oregon</u> Station 1406 1407 1427
		348	374	377		1506 1565 1568
		379	393	394		1903 1916 1942
		395	396	397		1951 1952 1965
		400	406	407		1982 2201 2396
		424	428	455		2773 2825
		496	497	498		
		505	507	514		
		530				
	<u>Pelican</u> Station	7	8	32		
		35				
	<u>George M. Bowers</u> Station	37				
	<u>Sicyonia stimpsoni</u> Bouvier					
	• <u>Oregon</u> Station	2249				
	<u>Silver Bay</u> Station	2382	2388	2389		<u>Combat</u> Station 449
	<u>Sicyonia typica</u> (Böck)					<u>Systellaspis</u> <u>debilis</u> (A. Milne-Edwards)
	• <u>Oregon</u> Station	2249				<u>Oregon</u> Station 2191 2199 2201
	<u>Solenocera atlantidis</u> Burkenroad				NEMATOCARCINIDAE	<u>Nematocarcinus cursor</u> A. Milne-Edwards
	• <u>Oregon</u> Station	1553	2249			<u>Oregon</u> Station 1563 1890 1902
	<u>Combat</u> Station	119	167	396		1908 1909 1911
		397				1915 1923 1925
	<u>Solenocera nocopina</u> Burkenroad					2011 2202 2209
	• <u>Oregon</u> Station	273				2637 2813 2819
	<u>Combat</u> Station	177	445	446	EUCONATONOTIDAE	2824 3218
		475	491	493		
	<u>Solenocera vioscae</u> Burkenroad					
	• <u>Oregon</u> Station	1421	1495	1558		<u>Silver Bay</u> Station 2421 2460 2484
		2203				<u>Pelican</u> Station 15
	<u>Combat</u> Station	445				
	<u>Trachypeneus</u> (<u>trachysalambri</u>) <u>constrictus</u> (Stimpson)					<u>Eugonatonotus</u> <u>crassus</u> (A. Milne-Edwards)
	• <u>Oregon</u> Station	2127	2249			<u>Oregon</u> Station 1342 1343 1539
	<u>Silver Bay</u> Station	1518	1528	2578		1543 1556 1872
	<u>Combat</u> Station	202				1886 2286
	<u>George M. Bowers</u> Station	37				<u>Silver Bay</u> Station 2416 2418 2458
	<u>SERGESTIDAE</u>	<u>Lucifer</u> <u>faxonii</u> Borredaile				2460 2469 2479
	<u>Combat</u> Station	396				2482 2483
						<u>Combat</u> Station 263 445 450
					PALAEMONIDAE	<u>Brachycarpus</u> <u>biunguiculatus</u> (Lucas)
						<u>Oregon</u> Station 1848
						<u>Neopontonidae</u> sp.
						<u>Oregon</u> Station 1635
						<u>Palaeomonetes</u> (<u>Palaeomonetes</u>) <u>pugio</u> Bolthuis
						Bureau of Commercial Dock Pascagoula River, Pascagoula

PALAEMONIDAE (contd.)	<u><i>Palaeomon (Nematopalaeomon) schmitti</i></u> Holthuis	PANDALIDAE (contd.)	1871	1872	1879
	<u>Oregon Station</u> 2056		1883	1885	1920
	<u>Periclimenes</u> sp. ?		1924	1962	2351
	<u>Combat Station</u> 72		2606	2772	
	<u><i>Periclimenes (Harpilius) americanus</i></u> (Kingsley) ?				
	<u>Combat Station</u> 72		<u>Silver Bay</u> Station 1190	1191	1198
	<u>Periclimenes (Periclimenes) iridescens</u> Lebour		<u>Combat</u> Station 176	177	178
	<u>Silver Bay</u> Station 71		271	274	275
			360		
	<u><i>Pontonia margarita</i></u> Smith		<u><i>Plesionika macropoda</i></u> Chace		
	<u>Oregon Station</u> 1711		<u>Oregon Station</u> 2772		
	<u><i>Typton prionurus</i></u> Holthuis ?		<u><i>Plesionika martia</i></u> (A. Milne-Edwards)		
	<u>Oregon Station</u> 2078 2079		<u>Oregon Station</u> 2824		
PSALIDOPODIDAE	<u><i>Psalidopus barburi</i></u> Chace		<u>Silver Bay</u> Station 2483		
	<u>Oregon Station</u> 1909 1911 1919		<u>Combat</u> Station 360		
	1920 1921 1929				
	1931 1933 1949				
	1932 2011 2637				
	<u>Silver Bay</u> Station 2421		<u><i>Glyphocrangon longirostris</i></u> (Smith)		
ALPHEIDAE	<u><i>Alpheus formosus</i></u> Gibbes		<u>Oregon Station</u> 1302 1908 2010		
	<u>George M. Bowers</u> Station 37		<u><i>Glyphocrangon aculeata</i></u> A. Milne-Edwards		
	<u><i>Synalpheus apicerosa</i></u> Coutière ?		<u>Oregon Station</u> 534		
	<u>Oregon Station</u> 2078 2079		<u><i>Glyphocrangon alispina</i></u> Chace		
	<u><i>Synalpheus minus</i></u> (Say)		<u>Oregon Station</u> 1909 1911 3218		
	<u>Silver Bay</u> Station 53 54 71		<u><i>Glyphocrangon (Glyphocrangon) longleyi</i></u> Schmitt		
	<u><i>Synalpheus townsendi</i></u> Coutière		<u>Oregon Station</u> 1334 1537 1539		
	<u>Oregon Station</u> 1674 1719		1540		
	<u>Silver Bay</u> Station 42 44		<u>Combat</u> Station 32 84 186		
	<u>Combat</u> Station 455		193 329 441		
PROCESSIDAE	<u><i>Proceesa</i></u> sp.		<u>Pelican</u> Station 1718		
	<u>Oregon Station</u> 2249				
PANDALIDAE	<u><i>Heterocarpus ensifer</i></u> A. Milne-Edwards	CRANGONIDAE	<u><i>Glyphocrangon neglecta</i></u> Faxon		
	<u>Oregon Station</u> 546 1323 1537		<u>Oregon Station</u> 1885 2363		
	1539 1543 1556		<u><i>Glyphocrangon (Glyphocrangon) spinicauda</i></u> (Smith)		
	1870 1872 1885		<u>Oregon Station</u> 1324 1885 1908		
	1918 1923 1928		1915 1916 1919		
	2005 2007 2080		<u>Combat</u> Station 120 445 447		
	2081 2082 2606		<u>Pelican</u> Station 54		
	<u>Silver Bay</u> Station 2458 2460 2469				
	2475 2479 2483				
	<u>Combat</u> Station 112 186 446				
	449 450				
	<u><i>Heterocarpus laevis</i></u> A Milne-Edwards		<u><i>Pontocaris (Aegeon) caribbacus</i></u> (Boone)		
	<u>Oregon Station</u> 2637		<u>Oregon Station</u> 1344 1871 1872		
	<u><i>Parapandalus longicauda</i></u> Rathbun		1881 1923 1942		
	<u>Silver Bay</u> Station 2460 2466		<u>Combat</u> Station 235		
	<u><i>Plesionika acanthocotus</i></u> (Smith)		<u><i>Hippolytis</i></u> (Hippolytis) sp.		
	<u>Oregon Station</u> 1932 2081		<u>Silver Bay</u> Station 54		
	<u>Pelican</u> Station 11 18 31		<u>Combat</u> Station 90		
	<u><i>Plesiocika edwardsii</i></u> (Brandt) ?				
	<u>Combat</u> Station 237 238		<u><i>Thor floridanus</i></u> Kingsley		
	<u><i>Plesionika enae</i></u> (A. Milne-Edwards)		<u>Silver Bay</u> Station 71		
	<u>Oregon Station</u> 2399		<u>Combat</u> Station 72		
	<u>Silver Bay</u> Station 2420		<u><i>Tozeuma carolinense</i></u> Kingsley		
	<u>Combat</u> Station 11		<u>Combat</u> Station 72		
	<u><i>Plesiocika longipes</i></u> (A. Milne-Edwards)		<u><i>Polycheles</i></u> sp.		
	<u>Oregon Station</u> 1324 1537 1538		<u>Oregon Station</u> 1924 2652		
	1539 1540 1541		<u>Combat</u> Station 362		
	1542 1543 1545				
	1546 1548 1549		<u><i>Polycheles typlops</i></u> Heller		
	1550 1556 1869		<u>Oregon Station</u> 1506		
			<u>Silver Bay</u> Station 2449		
			<u>Combat</u> Station 245 329 469		
			<u>Pelican</u> Station 53		
			<u><i>Nephrops</i></u> sp. ?		
			<u>Combat</u> Station 140		
			<u><i>Nephropsis aculeata</i></u> Smith		
			<u>Oregon Station</u> 1506 1550 2006		

NEPHROPSIDAE (contd.)	<u>Combat</u> Station	226	329	469	GALATHEIDAE (contd.)	<u>Munida</u> <u>longipes</u> A. Milne-Edwards		
	<u>Pelican</u> Station	486		53		<u>Combat</u> Station	177	226
HOMARIDAE	<u>Nephrops</u> <u>rubellus</u> <u>binghami</u> Boone				<u>Munida</u> <u>minima</u> <u>robusta</u> A. Milne-Edwards			
	<u>Combat</u> Station			447		<u>Oregon</u> Station		2080
PALINURIDAE	<u>Phoberus</u> <u>caecus</u> A. Milne-Edwards				<u>Munida</u> <u>schröderi</u> Chace			
	<u>Oregon</u> Station	1947	1948	1952		<u>Combat</u> Station	235	445
SCYLLARIDAE	<u>Panulirus</u> <u>laevicauda</u> (Latreille)				<u>Munida</u> <u>simplex</u> Benedict			
	<u>Oregon</u> Station			2230		<u>Combat</u> Station	72	
SCYLLARIDAE	<u>Scyllarides</u> sp.				<u>Munida</u> <u>stimpsoni</u> A. Milne-Edwards			
	<u>Oregon</u> Station			2230		<u>Combat</u> Station	237	445 446
SCYLLARIDAE	<u>Scyllarides</u> <u>nodifer</u> (Stimpson)				<u>Munida</u> <u>valida</u> Smith			
	<u>Silver Bay</u> Station	44	88	91		<u>Combat</u> Station	171	172 245
SCYLLARIDAE	<u>Scyllarus</u> sp.				<u>Munida</u> sp.			
	<u>Silver Bay</u> Station	59	60	68		<u>Oregon</u> Station		2080
SCYLLARIDAE	<u>Scyllarus</u> <u>americanus</u> (Smith)				<u>Munidopsis</u> <u>robusta</u> (A. Milne-Edwards)			
	<u>Oregon</u> Station	1666	2088	2249		<u>Combat</u> Station	122	
SCYLLARIDAE	<u>Silver Bay</u> Station	54	88		<u>Pelican</u> Station	53		
	<u>Combat</u> Station	119	169	202		<u>Combat</u> Station	235	
SCYLLARIDAE	<u>George M. Bowers</u> Station				<u>Pagurus</u> sp.			
	<u>Scyllarus</u> <u>arctus</u> (Linnaeus)					<u>Oregon</u> Station		2203
SCYLLARIDAE	<u>Combat</u> Station	90	370	457	<u>Silver Bay</u> Station	577	565	566
	<u>Scyllarus</u> <u>faxonii</u> Bouvier					672	673	674
AXIIDAE	<u>Oregon</u> Station	1345			<u>Pagurus</u> <u>politus</u> (Smith)			
	<u>Combat</u> Station	235	237	238		<u>Oregon</u> Station		1543
ALBUNEIDAE	<u>Calocaris</u> (<u>Calastacus</u>) sp.				<u>Dardanus</u> <u>venosus</u> (A. Milne-Edwards)			
	<u>Combat</u> Station	445				<u>Oregon</u> Station	2249	2633
ALBUNEIDAE	<u>Albunea</u> <u>gibbesii</u> Stimpson				<u>Isocheles</u> <u>wurdemanni</u> Stimpson			
	<u>Combat</u> Station	396				<u>Silver Bay</u> Station	557	558
CHIROSTYLIIDAE	<u>Albunea</u> <u>oxyptalma</u> Leach				<u>Mixtopagurus</u> <u>paradoxus</u> (A. Milne-Edwards)			
	<u>Oregon</u> Station					<u>Oregon</u> Station	2066	
CHIROSTYLIIDAE	<u>Uroptychus</u> <u>uncifer</u> (A. Milne-Edwards)				<u>Paguristes</u> <u>depressus</u> Stimpson			
	<u>Oregon</u> Station	2081				<u>Oregon</u> Station	2613	
GALATHEIDAE	<u>Combat</u> Station				<u>Paguristes</u> <u>hummi</u> Wess			
	<u>Oregon</u> Station	72				<u>Silver Bay</u> Station	557	558
GALATHEIDAE	<u>Munida</u> <u>angulata</u> Benedict					673	674	672
	<u>Combat</u> Station	72			<u>Paguristes</u> <u>rectifrons</u> Benedict			
GALATHEIDAE	<u>Munida</u> <u>avermanni</u> Benedict					<u>Silver Bay</u> Station	557	558
	<u>Combat</u> Station	447				586		
GALATHEIDAE	<u>Munida</u> <u>forbesi</u> A. Milne-Edwards				<u>Paguristes</u> <u>spinipes</u> A. Milne-Edwards			
	<u>Combat</u> Station	441	453	458		<u>Combat</u> Station		237
GALATHEIDAE	<u>Munida</u> <u>iris</u> A. Milne-Edwards				<u>Paguristes</u> <u>tortugae</u> Schmitt			
	<u>Oregon</u> Station	1543	2082			<u>Silver Bay</u> Station	59	
GALATHEIDAE	<u>Combat</u> Station	177	259		<u>Parapagurus</u> sp. nov. ?			
	<u>Pelican</u> Station	58				<u>Silver Bay</u> Station	451	
GALATHEIDAE	<u>Munida</u> <u>irrata</u> A. Milne-Edwards				<u>Parapagurus</u> <u>pilosimanus</u> Smith			
	<u>Combat</u> Station	445				<u>Oregon</u> Station	1424	
GALATHEIDAE					<u>Petrocirus</u> <u>bahamensis</u> (Herbst)			
						<u>Oregon</u> Station	2262	
GALATHEIDAE					<u>Silver Bay</u> Station	557	558	577
						586	673	674
GALATHEIDAE					<u>Pylopagurus</u> <u>bartletti</u> (A. Milne-Edwards)			
						<u>Oregon</u> Station		2080

PAGURIDA (contd.)	<i>Pylopagurus corallinus</i> (Benedict)		THELIPOEIIDAE	<i>Thelxiope barbata</i> (Fabricius)	
	<u>Combat</u> Station	90		<u>Combat</u> Station	90
	<i>Pylopagurus discoidalis</i> (A. Milne-Edwards)			<u>Oregon</u> Station	457
	<u>Oregon</u> Station	2066		<u>Ethusa</u> <i>microptbalma</i> Smith	
	<i>Pylopagurus gibbosimanus</i> (A. Milne-Edwards)			<u>Oregon</u> Station	2203
	<u>Oregon</u> Station	2066		<i>Ebalia cariosa</i> (Stimpson)	
	<i>Sympagurus arcuatus</i> A. Milne-Edwards and Bouvier			<u>Oregon</u> Station	2272
	<u>Oregon</u> Station	2571		<i>Litobadia cadaverosa</i> Stimpson	
	<i>Sympagurus pictus</i> Smith			<u>Silver Bay</u> Station	59
	<u>Oregon</u> Station	1564		<i>Persephona punctata punctata</i> (Linnaeus)	
PORCELLANIDAE	<u>Combat</u> Station	120		<u>Oregon</u> Station	2272
	<i>Sympagurus pilimanaus</i> A. Milne-Edwards			<i>Persephona punctata aquilonaris</i> Ratbun	
	<u>Oregon</u> Station	2639		<u>Oregon</u> Station	1755
	<i>Xylopagurus rectus</i> A. Milne-Edwards			<u>Silver Bay</u> Station	59
	<u>Oregon</u> Station	1986		<u>Combat</u> Station	408
	<i>Minyocerus</i> sp.			<i>Myropsis quinquespinosa</i> Stimpson	
	<u>Combat</u> Station	427		<u>Oregon</u> Station	1336
	<i>Pachycheles</i> sp.			<u>Combat</u> Station	235
	<u>Combat</u> Station	457		<i>Iliacantha subglobosa</i> Stimpson	
	<i>Pachycheles ackleiatus</i> A. Milne-Edwards			<u>Combat</u> Station	237
RANINIDAE	<u>Silver Bay</u> Station	54		<i>Iliacantha liodactylus</i> Rathbun	
	<u>George M. Bowers</u> Station	37		<u>Oregon</u> Station	2249
	<i>Pachycheles rugimanus</i> A. Milne-Edwards			<i>Iliacantha intermedia</i> Miers	
	<u>Silver Bay</u> Station	42		<u>Oregon</u> Station	1719
	<u>Combat</u> Station	90		<u>Silver Bay</u> Station	54
	<i>Petrolisthes armatus</i> (Gibbes)			<u>Combat</u> Station	71
	<u>Silver Bay</u> Station	59		<i>Iliacantha sparsa</i> Stimpson	
	<i>Petrolisthes galathinus</i> (Bosc)			<u>Silver Bay</u> Station	53
	<u>Silver Bay</u> Station	59		<i>Callidactylus asper</i> Stimpson	
	<i>Porcellana sayana</i> (Leach)			<u>Silver Bay</u> Station	42
DROMIDAE	<u>Oregon</u> Station	2262		<i>Calappa flammes</i> (Berbat)	
	<u>2339</u>			<u>Oregon</u> Station	1494
	<u>Silver Bay</u> Station	59		<u>Silver Bay</u> Station	1495
	<u>Oregon</u> Station	60		<u>Silver Bay</u> Station	1500
	<i>Porcellana sigsbeiana</i> A. Milne-Edwards			<u>Combat</u> Station	1554
	<u>Oregon</u> Station	2203		<u>Oregon</u> Station	1574
	<i>Porcellanopsis soriata</i> (Say)			<u>Silver Bay</u> Station	1675
	<u>Silver Bay</u> Station	71		<u>Combat</u> Station	1682
	<i>Raninoides loevis</i> (Latreille)			<u>Oregon</u> Station	1685
	<u>Oregon</u> Station	1719		<u>Silver Bay</u> Station	1690
CALAPPIDAE	<i>Raninoides louisianensis</i> Ratbun			<u>Combat</u> Station	1698
	<u>Oregon</u> Station	1495		<u>Oregon</u> Station	1701
	<u>2203</u>			<u>Silver Bay</u> Station	1703
	<u>Silver Bay</u> Station	1178		<u>Combat</u> Station	1704
	<i>Ranilia muricata</i> A. Milne-Edwards			<u>Oregon</u> Station	1710
	<u>Oregon</u> Station	1714		<u>Silver Bay</u> Station	1714
	<i>Combat</i> Station	591		<u>Combat</u> Station	1716
	<i>Lyreidus bairdii</i> Smith			<u>Oregon</u> Station	1726
	<u>Oregon</u> Station	1571		<u>Silver Bay</u> Station	1737
	<i>Combat</i> Station	226		<u>Combat</u> Station	1743
HYPONOMEIIDAE	<u>Pelican</u> Station	61		<u>Oregon</u> Station	1745
	<i>Ojomida antillensis</i> Stimpson			<u>Pelican</u> Station	1755
	<u>Oregon</u> Station	1553		<i>Calappa springeri</i> Rathbun	
	<u>2249</u>			<u>Oregon</u> Station	1756
	<u>Silver Bay</u> Station	54		<i>Calappa angusta</i> A. Milne-Edwards	
	<u>69</u>			<u>Silver Bay</u> Station	45
	<u>71</u>			<u>Combat</u> Station	90
	<u>Combat</u> Station	72		<u>Combat</u> Station	406
	<i>Hypoconcha sabulosa</i> (Berbat)			<u>Oregon</u> Station	100
	<u>Silver Bay</u> Station	68		<u>Silver Bay</u> Station	457
HYPONOMEIDAE	<i>Hypoconcha spinosissima</i> Ratbun			<u>Silver Bay</u> Station	100
	<u>Oregon</u> Station	1666		<i>Calappa sulcata</i> Rathbun	
	<u>Combat</u> Station	457		<u>Oregon</u> Station	2272
	<i>Hypoconcha arcuata</i> Stimpson			<u>Silver Bay</u> Station	2309
	<u>Oregon</u> Station	2272		<i>Calappa citida</i> Bolthuis	
				<u>Oregon</u> Station	2272
				<u>Silver Bay</u> Station	2335
				<u>Oregon</u> Station	2272
				<u>Silver Bay</u> Station	2339

CALAPPIDAE (contd.)	<i>Calappa</i> spp.	PORTUNIDAE (contd.)	<i>Portunus (achelous) spinimanus</i> Latreille
	<u>Oregon</u> Station 3249 2262 2272 2309 2135 2338 2339		<u>Oregon</u> Station 1495 1554 1672 1755 2249 2261 2262 2335 2338
	<i>Acanthocarpus alexandri</i> Stimpson		<u>Silver Bay</u> Station 60 71
	<u>Oregon</u> Station 2203		<u>Combat</u> Station 202 505
	<u>Silver Bay</u> Station 100		<u>Pelican</u> Station 68
	<u>Combat</u> Station 180 402 452		<i>Portunus (achelous) ordwayi</i> (Stimpson)
	<i>Acanthocarpus bipinnosus</i> A. Milne-Edwards		<u>Oregon</u> Station 1553
	<u>Oregon</u> Station 1320		<u>Silver Bay</u> Station 54
	<i>Cycloes bairdii</i> Stimpson		<u>Combat</u> Station 119
	<u>Combat</u> Station 455		<i>Portunus (achelous) floridanus</i> Rathbun
	<i>Hepatus princeps</i> (Herbst)		<u>Combat</u> Station 391 406 457
	<u>Oregon</u> Station 2272 2339		<i>Portunus (achelous) depressifrons</i> (Stimpson)
	<i>Hepatus epheliticus</i> (Jobansson)		<u>Oregon</u> Station 1600
	<u>Oregon</u> Station 1674 1679 1682 1746 1749 1750 1751 1754 1755 1757 1775 1778 2862 3149		<i>Portunus (achelous) spinicarpus</i> (Stimpson)
	<u>Silver Bay</u> Station 59		<u>Oregon</u> Station 1345 1553 1600 1607 2249 2262 2335
	<u>Combat</u> Station 334		<u>Silver Bay</u> Station 53 54
	<i>Hepatus</i> sp.		<u>Combat</u> Station 238 396 397 402 406 445 446 447 455 457
	<u>Oregon</u> Station 2249		<i>Portunus (achelous) sp.</i>
	<i>Osachila semilevis</i> Rathbun		<u>Oregon</u> Station 2262
	<u>Combat</u> Station 455		<i>Callinectes sapidus</i>
	<i>Paracyclois</i> sp.		<u>Oregon</u> Station 2154
	<u>Combat</u> Station 238 455		<u>Silver Bay</u> Station 1242 1284 1289 1290 1313
GONEPLACIDAE	<i>Bathyplax typhla</i> A. Milne-Edwards		<i>Callinectes ornatus</i> Ordway
	<u>Oregon</u> Station 1334		<u>Oregon</u> Station 1824 2339
	<i>Ceryx quinquepunctatus</i> Smith		<i>Callinectes danae</i> Smith
	<u>Oregon</u> Station 1426		<u>Oregon</u> Station 1739 1746 1749 1755 1757 1775 1777 2128
	<i>Goneplax birsuta</i> Borredale		<u>Silver Bay</u> Station 187 334
	<u>Silver Bay</u> Station 100		ATELOCYCLIDAE <i>Trachycarcinus spinulifer</i> Rathbun
	<i>Panoplax depressa</i> Stimpson		<u>Oregon</u> Station 1573
	<u>Combat</u> Station 72		CANCRIDAE <i>Cancer irratus</i> Say
	<i>Euryplax citida</i> Stimpson		<u>Combat</u> Station 172 245 329 486 489 491
	<u>Silver Bay</u> Station 71		<i>Cancer borealis</i> Stimpson
	<i>Glyptoplax smithii</i> A. Milne-Edwards		<u>Oregon</u> Station 1543
	<u>Silver Bay</u> Station 42		<u>Combat</u> Station 171 172 179 186 309 362 410
PONTUNIDAE	<i>Ovalipes ocellatus quadupennis</i> (Saussure)		XANTHIDAE <i>Actaea rufopunctata codosa</i> Stimpson
	<u>Oregon</u> Station 1730 1824		<u>Oregon</u> Station 2088
	<u>Silver Bay</u> Station 24		<i>Glyptoxanthus erosus</i> (Stimpson)
	<u>Combat</u> Station 171 334 428 514		<u>Combat</u> Station 203
	<i>Bathynectes superba</i> (Costa)		<i>Carpoporus populneus</i> Stimpson
	<u>Oregon</u> Station 1545		<u>Combat</u> Station 72
	<u>Combat</u> Station 158 259		<i>Medaeus spinimanus</i> (A. Milne-Edwards)
	<i>Portunus (portunus) gibbesii</i> (Stimpson)		<u>Oregon</u> Station 2249
	<u>Oregon</u> Station 2272 2339		<i>Leptodius agassizii</i> A. Milne-Edwards
	<u>Silver Bay</u> Station 59		<u>Silver Bay</u> Station 42 44
	<u>Combat</u> Station 119 171 202 379 396 397 513		<i>Lophopanopeus distinctus</i> Rathbun
	<i>Portunus (portunus)</i> sp.		<u>Combat</u> Station 72 90
	<u>Oregon</u> Station 2272		

XANTHIDAE (contd.)	<i>Panopeus occidentalis</i> Saussure	59	71	MAJIDAE (contd.)	<i>Combat</i> Station	72	406	455
	<i>Silver Bay</i> Station				<i>Podocheila sidneyi</i> Rathbun			
	<i>Rexapanopeus angustifrons</i> (Benedict and Rathbun)	59	60		<i>Oregon</i> Station	1719		
	<i>Silver Bay</i> Station				<i>Podocheila gracilipes</i> Stimpson			
	<i>Micropanope sculptipes</i> Stimpson	72	455		<i>Combat</i> Station	72		
	<i>Combat</i> Station				<i>Podocheila curvirostris</i> (A. Milne-Edwards)			
	<i>Micropanope levimanus</i> Chace	42	54		<i>Combat</i> Station	235		
	<i>Silver Bay</i> Station				<i>Anasimus latus</i> Rathbun			
	<i>Tetraexantbus rathbunae</i> Chace	100	446		<i>Oregon</i> Station	2249	2262	2335
	<i>Combat</i> Station				<i>Silver Bay</i> Station			
	<i>Menippe mercenaria</i> (Say)	2875			<i>Combat</i> Station	405		
	<i>Oregon</i> Station				<i>Pyromesia cuspidata</i> Stimpson			
	<i>Silver Bay</i> Station	59	60	68	<i>Oregon</i> Station	1345		
		564	574	583	<i>Combat</i> Station	235	445	447
		585	597	644	<i>Rochinia crassa</i> (A. Milne-Edwards)			
		659	660	664	<i>Combat</i> Station	172	309	362
		668	669	672	<i>Rochinia hystrix</i> (Stimpson)			
	<i>Pelican</i> Station	8			<i>Oregon</i> Station	1550		
	<i>Pilumnus dasypodus</i> Kingsley				<i>Combat</i> Station	447		
	<i>Oregon</i> Station	1719			<i>Rochinia umbonata</i> (Stimpson)			
	<i>Silver Bay</i> Station	59	60	71	<i>Oregon</i> Station	1926		
	<i>Pilumnus floridanus</i> Stimpson				<i>Trachymala cornuta</i> A. Milne-Edwards			
	<i>Silver Bay</i> Station	42	53	59	<i>Combat</i> Station	238		
	<i>Pilumnus pannosus</i> Rathbun				<i>Nibilia antilocapra</i> (Stimpson)			
	<i>Silver Bay</i> Station	71			<i>Combat</i> Station	90	370	457
	<i>Pilumnus sayi</i> Rathbun				<i>Holoplites armata</i> (A. Milne-Edwards)			
	<i>Oregon</i> Station	1719			<i>Oregon</i> Station	2080		
	<i>Silver Bay</i> Station	42	53	59	<i>Libinia emarginata</i> Leach			
		60	71		<i>Combat</i> Station	90		
	<i>Pilumnus</i> sp. ?				<i>Hemus cristulipes</i> A. Milne-Edwards			
	<i>Combat</i> Station	167			<i>Silver Bay</i> Station	54		
	<i>Lobopilumnus agassizii</i> (Stimpson)				<i>Pitho anisodon</i> (Von Martens)			
	<i>Silver Bay</i> Station	42	54	71	<i>Silver Bay</i> Station	71		
	<i>Parapinnixa hendersoni</i> Rathbun ?				<i>Mithrax (mitbrax) cornutus</i> Saussure			
	<i>Combat</i> Station	391			<i>Combat</i> Station	90		
	<i>Cymopolia alternata</i> (Rathbun)				<i>Mithrax (mitbrax) caribbeus</i> Rathbun			
	<i>Silver Bay</i> Station	53	54		<i>Oregon</i> Station	2249	2262	2335
	<i>Cymopolia faxonii</i> Rathbun				<i>Mithrax (mitbrax) pleuracanthus</i> Stimpson			
	<i>Combat</i> Station	72			<i>Oregon</i> Station	1719		
	<i>Cymopolia affinis</i> (A. Milne-Edwards and Bouvier)				<i>Silver Bay</i> Station	53	51	69
	<i>Combat</i> Station	72	455		<i>Mithrax (mitbraculus) forceps</i> (A. Milne-Edwards)			
	<i>Palicus (Cymopolia) affinis</i> A. Milne-Edwards				<i>Oregon</i> Station	1719		
	<i>Oregon</i> Station	2249			<i>Silver Bay</i> Station	71		
	<i>Euchirograpsus americanus</i> A. Milne-Edwards				<i>Silver Bay</i> Station	71		
	<i>Oregon</i> Station	1873			<i>Stenocionops furcata coelata</i> (A. Milne-Edwards)			
	<i>Silver Bay</i> Station	206			<i>Silver Bay</i> Station	45	206	
	<i>Combat</i> Station	90	391		<i>Combat</i> Station	72	455	457
	<i>Cardisoma guanhumi</i> Latreille				<i>Stenocionops spinosissima</i> (Saussure)			
					<i>Combat</i> Station	447		
					<i>Stenocionops spinimana</i> (Rathbun)			
					<i>Oregon</i> Station	2203		
					<i>Combat</i> Station	405		
	<i>Stenogynchus seticornis</i> (Serbat)							
	<i>Oregon</i> Station	1419	1938	2079				
		2088	2249					
	<i>Silver Bay</i> Station	45	53	54				
		69	71	100				

MAJIDAE (contd.)	<i>Macrocoeloma trispinosum</i> (Latreille)	SQUILLIDAE (contd.)	<i>Pseudosquilla ciliata</i> (Fabricius)
	<u>Oregon</u> Station 1714		<u>Oregon</u> Station 3537 3541 3703
	<u>Silver Bay</u> Station 60		1227 420 4134
	<i>Macrocoeloma trispinosum nodipes</i> (Destonne)	<i>Squilla alin</i> Bigelow	Areas Reef. Gulf of Campeche
	<u>Silver Bay</u> Station 5- 69	<i>Squilla chydæa</i> Manning	
	<i>Macrocoeloma camptocerum</i> (Stimpson)	<u>Oregon</u> Station 88 40 101	
	<u>Silver Bay</u> Station 60	.03 .07 15F	
	<i>Macrocoeloma subparallelum</i> (Stimpson)?	.50 .62 332	
	<u>Oregon</u> Station 2249	340 347 352	
	<i>Microphys antillensis</i> Rathbun	.662 943 845	
	<u>Silver Bay</u> Station 71	.344 .070 .086	
PARTHENOPIDAE	<i>Parthenope (parthenope) agonus</i> (Stimpson)	1755 .151 2203	
	<u>Oregon</u> Station 2272	2827 302 306	
	<u>Combat</u> Station 428 455		
	<i>Parthenope (platylambrus) pourtalesii</i> (Stimpson)	<u>Silver Bay</u> Station 181 182 2732	
	<u>Combat</u> Station 370 .02 457	<i>Squilla discora</i> Manning	
	<i>Parthenope (platylambrus) fraterculus</i> (Stimpson)	<u>Oregon</u> Station 36 320 44	
	<u>Oregon</u> Station 2066 2249	<u>Silver Bay</u> Station 2460 2480	
	<u>Combat</u> Station 72 .55 .57	<u>Combat</u> Station 334	
	<i>Parthenope (platylambrus) punctata</i> Chace	<i>Squilla edentata</i> (Lunz)	
	<u>Silver Bay</u> Station 59	<u>Oregon</u> Station 27 60 105	
	<i>Parthenope (platylambrus) serrata</i> (H. Milne-Edwards)	158 273 326	
	<u>Oregon</u> Station 22.9 2272	332 .45 1362	
	<u>Silver Bay</u> Station 5- 71	.883 1453 1485	
	<u>Combat</u> Station 397	2021 2203 2281	
	<i>Mesorhoeca sexspinosa</i> Stimpson	2286 2286 2295	
	<u>Oregon</u> Station 2272	2351 2782 2743	
	<i>Heterocrypta granulata</i> (Gibbes)	2827 3585 3595	
	<u>Silver Bay</u> Station 59	3627 5649 4002	
SQUILLIDAE	<i>Bathysquilla microps</i> (Manning)	<u>Silver Bay</u> Station 1967 1468 2039	
	<u>Silver Bay</u> Station 445 1196 3516	2725 273. 2732	
	<i>Gonodactylus curacaoensis</i> Schmitt	<i>Squilla empusa</i> Say	
	<u>Oregon</u> Station 3620	<u>Oregon</u> Station 110 123 185	
	<i>Gonodactylus oerstedi</i> Hansen	188 274 342	
	<u>Oregon</u> Station 275 1215 1719	362 362 720	
	1938 2355 3565	845 382 1495	
	3603 3604 3605	1446 .500 1531	
	3636 4227 4231	1532 1532 1536	
	<u>Silver Bay</u> Station 55 54 69	2208 2209 2272	
	71 581 1695	2279 2327 2463	
	1704 1992 2142	2435 2437 2527	
	2361 2366	2554 2556 2967	
	<u>Combat</u> Station 203		
	<i>Lysioerlchthys larvae</i>	<u>Silver Bay</u> Station 8 67 154	
	<u>Oregon</u> Station 1848 1941	170 2165	
	<i>Lysiosquilla campuchensis</i> Manning	<u>Combat</u> Station 375 378 373	
	<u>Oregon</u> Station 411	<u>Pelican</u> Station 14	
	<i>Lysiosquilla glabriuscula</i> (Lamarck)	<i>Squilla heptacantha</i> (Chace)	
	<u>Silver Bay</u> Station 2366 3655	<u>Oregon</u> Station 1340 2606 2648	
	<i>Lysiosquilla scabricauda</i> (Lamarck)	2649 2658 2664	
	Off Chandeieus Island (shrimboat)	3585 3588 3590	
	<i>Odontodactylus havanensis</i> Bigelow	<u>Combat</u> Station 235 236 236	
	<u>Oregon</u> Station 1850	<i>Squilla intermedia</i> Bigelow	
	<i>Parasquilla coccinea</i> Manning	<u>Oregon</u> Station 1841 1343 1344	
	<u>Oregon</u> Station 83 944	2606 2639 2652	
	<u>Silver Bay</u> Station 100 2390	2658 2664 3627	
	<i>Parasquilla meridionalis</i> Manning	<u>Silver Bay</u> Station 182 2458	
	<u>Oregon</u> Station 2052 2249 2257	<u>Combat</u> Station 235 237 238	
		<i>Squilla liddingtoni</i> Holthuis	
		<u>Oregon</u> Station 2207 2226 2228	
		2231 2250 2272	
		2276 2306 2307a	
		2307b 2327	
		<i>Squilla neglecta</i> Gibbes	
		<u>Oregon</u> Station 993	
		<u>Combat</u> Station 396	
		<i>Squilla obtusa</i> Holthuis	
		<u>Oregon</u> Station 2208 2209	
		<i>Squilla quadridenta</i> Bigelow	
		<u>Oregon</u> Station 896 2249 2402	
		<i>Squilla rugosa</i> Bigelow	
		<u>Oregon</u> Station 449 713 907	
		1050 1938 2244	
		2249 2250 2261	
		2262 2267 2276	
		<u>Silver Bay</u> Station 73	

LIST OF MOLLUSKS

ARCIDAE	<u>Noetia ponderosa</u> Say	PECTINIDAE (contd.)	<u>Amusium dalli</u> E. A. Smith
	<u>Silver Bay</u> Station	121	1903 1911 1915
		145	1916 1918 1922
	<u>Glycymeris americana</u> Defrance		1923 1942 1948
	<u>Oregon</u> Station	1707	1948 1950 1952
	<u>Silver Bay</u> Station	25	1953
		2283	2483
		26 28	<u>Amusium papyraceum</u> Cabo
	<u>Anedara baughmani</u> Hertlein		<u>Oregon</u> Station 1496 1500 1803
	<u>Oregon</u> Station	1495	2960 3000 3015
PINNIDAE	<u>Atrina rigida</u> Solander		3043 3119
	<u>Silver Bay</u> Station	58	Pecten <u>muscosus</u> (Wood) 1683 1693 1688
		84	1710
PTERIIDAE	<u>Pteria colymbus</u> Röding	LIMIDAE	<u>Silver Bay</u> Station 35 71 141
	<u>Oregon</u> Station	1721	<u>Lima scabra</u> Born
	<u>Silver Bay</u> Station	36	<u>Silver Bay</u> Station 71
SPONDYLIDAE	<u>Spondylus echinatus americanus</u> Lamarck	MYTILIDAE	<u>Modiolus politus</u> Verrill and Smith
	<u>Silver Bay</u> Station	86	<u>Oregon</u> Station 2825
		93	<u>Modiolus sagittatus</u> Rehder
PECTINIDAE	<u>Pecten raveneli</u> Dall		<u>Silver Bay</u> Station 2480
	<u>Oregon</u> Station	1683	Crassatellitidae
		1700	<u>Crassatellites gibbsii</u> Tuomey and Holmes
		1705	<u>Oregon</u> Station 1675
		1710	<u>Silver Bay</u> Station 84
	<u>Silver Bay</u> Station	21	CHAMIDAE
	<u>Pecten terenius</u> Dall		<u>Chama (Echinochama) arcinella</u> Linne
	<u>Silver Bay</u> Station	86	<u>Silver Bay</u> Station 35 121 134
	<u>Pecten ziczac</u> Linne	CARDIIDAE	Cardium (Dinocardium) <u>robustum</u> Dall
	<u>Silver Bay</u> Station	71	<u>Oregon</u> Station 1740 1750 1777
		91	<u>Silver Bay</u> Station 1778
	<u>Pecten glyptus</u> Verrill		18 121 143
	<u>Oregon</u> Station	1513	<u>Laevicardium serratum</u> Linne
	<u>Pecten gibbus</u> Linne		<u>Oregon</u> Station 1672 1675 1681
	<u>Oregon</u> Station	1627	1683 1685 1694
		1683	1695 1702 1712
		1700	1714 1716 1727
		1703	1755 1758 1762
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	<u>Silver Bay</u> Station	47	VENERIDAE
		59	<u>Dosinia discus</u> Reeve
		71	<u>Silver Bay</u> Station 1865
		83	
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	<u>Combat</u> Station	69	Chione <u>paphia</u> Linne
		94	<u>Silver Bay</u> Station 88
		95	
		320	
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	<u>Pecten nodosus nodosus</u> Linne		Mercenaria <u>campechiensis</u> Gmelin
	<u>Oregon</u> Station	1683	<u>Oregon</u> Station 1741
		1698	<u>Silver Bay</u> Station 116 121 124
		1713	125 127 128
		1726	130 131 132
		1838	133 134 135
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			383 384 385

THORACICAE	<i>Gaca superba</i> Dall		MURICIDAE (contd.)	<i>Murex beaufi</i> Fischer and Bernardi
	<u>Oregon</u> Station	1566	1872	1919
		1942	1946	1948
		2825		
TURBINIDAE	<i>Turbo castaneus</i> Gmelin			<u>Oregon</u> Station 1558 1981
	<u>Silver Bay</u> Station	59		<u>Silver Bay</u> Station 51 102 154
NATICIDAE	<i>Polinices duplicatus</i> Say			2391 2428 2463
	<u>Oregon</u> Station	1744	1750	2539
	<i>Sinum perspectivum</i> Say		Murex <i>pomum</i> Gmelin	
	<u>Silver Bay</u> Station	27	28	5
XENOPHORIDAE	<i>Xenophora conchyliophora</i> Born		<i>Murex pazi</i> Crosse	
	<u>Oregon</u> Station	1712		<u>Silver Bay</u> Station 2454 2481
	<i>Tugurium caribaeum</i> Petit		<i>Murex fulvescens</i> Sowerby	
	<u>Oregon</u> Station	1879	1903	1904
	<u>Silver Bay</u> Station	51	2481	<u>Oregon</u> Station 1672 1673 1674
	<u>Combat</u> Station	446		1681 1682 1683
	<i>Tugurium longleyi</i> Bartsch			1684 1685 1686
	<u>Oregon</u> Station	1537	1538	1545
	<u>Silver Bay</u> Station	1190	1193	1198
STROMBIDAE	<i>Strombus gigas</i> Linne		<u>Silver Bay</u> Station 32 39 1564	
	<u>Oregon</u> Station	1755	1776	1777
		1780	1782	1783
	<u>Silver Bay</u> Station	657	Murex <i>florifer</i> Reeve	
	<i>Strombus costatus</i> Gmelin		<u>Silver Bay</u> Station 85 1564	
	<u>Silver Bay</u> Station	71	<u>Pelican</u> Station 15	
	<i>Strombus alatus</i> Gmelin		Murex <i>bequaerti</i> Clench and Parfante	
	<u>Silver Bay</u> Station	39	<u>Silver Bay</u> Station 51	
		96	Murex <i>aguayol</i> Clench and Parfante	
			<u>Silver Bay</u> Station 2481	
CASSIDIDAE	<i>Cassis madagascarensis</i> Lamarck		<u>Combat</u> Station 446	
	<u>Oregon</u> Station	1675	Murex <i>nuttingi</i> Dall	
	<u>Silver Bay</u> Station	81	<u>Oregon</u> Station 1981	
		94		
		95	CORALLIPHILIDAE <i>Coralliphilus deburghiae</i> Reeve	
		2285	<u>Silver Bay</u> Station 2481	
		2288		
		2494	NEPTUNIDAE <i>Liomeatus stimpsoni</i> Dall	
	<i>Phalium granulatum</i> Born		<u>Silver Bay</u> Station 1551	
	<u>Silver Bay</u> Station	2400	<i>Busycon perversum</i> Linne	
TONNIDAE	<i>Sconsia striata</i> (Lamarck) Grey		<u>Oregon</u> Station 1674 1681 1682	
	<u>Oregon</u> Station	1495	1686 1699 1704	
	<i>Tonna galea</i> Linne		1712 1716 1745	
	<u>Oregon</u> Station	1751	1744 1751 1760	
	<u>Silver Bay</u> Station	2346	1761 1763 1772	
	<i>Ficus papyratia</i> Say		1778 1779 1781	
	<u>Oregon</u> Station	1675	1782 1787	
		1685		
		1688		
			FASCIOLARIIDAE <i>Fasciolaria tulipa</i> Linne	
	<u>Silver Bay</u> Station	71	<u>Oregon</u> Station 1700	
		2285	<u>Silver Bay</u> Station 41 2402 2502	
CYMATIIDAE	<i>Distorsio clathrata</i> Lamarck		<i>Fasciolaria bunteria</i> Perry	
	<u>Oregon</u> Station	1674	<u>Oregon</u> Station 1781	
	<u>Silver Bay</u> Station	39	<u>Silver Bay</u> Station 59 85 97	
MURICIDAE	<i>Murex cabriti</i> Bernardi		98 143 145	
	<u>Oregon</u> Station	1674	Pleuroploca <i>gigantea</i> Kiefer	
		1693	<u>Oregon</u> Station 1683 1686 1694	
		1698	1695 1705 1714	
	<u>Silver Bay</u> Station	35	1727 1763 1776	
		37	1777 1778 1782	
	<i>Murex recurvirostre rubidus</i> Baker		1783	
	<u>Oregon</u> Station	1693	<u>Silver Bay</u> Station 39 41 71	
	<u>Silver Bay</u> Station	35	99 122 1874	
			2522	

PASCIOLARIIDAE (contd.)	<u><i>Fusinus timesanus</i></u> Dall	TEREBRIDAE	<u><i>Terebra laevigata</i></u> Say
	<u>Oregon</u> Station 1701		<u>Oregon</u> Station 1709
	<u>Silver Bay</u> Station 2403 240 2452		<u><i>Conus spirifer atlanticus</i></u> Clench
XANCIIDAE	<u><i>Fusinus eucosmius</i></u> Oml	CONIDAE	<u>Oregon</u> Station 1686 1714
	<u>Silver Bay</u> Station 2403		<u>Silver Bay</u> Station 146
XANCIIDAE	<u><i>Xancus angulatus</i></u> Solander	CONIDAE	<u><i>Conus daucus</i></u> Hwass.
	<u>Oregon</u> Station 1665		<u>Pelican</u> Station 15
VOLUTIDAE	<u><i>Scaphella junonia</i></u> Shaw	TURRIDAE	<u><i>Conus oblongus</i></u> Bartels
	<u>Oregon</u> Station 1674 1675 1677		<u>Oregon</u> Station 1683 1697 1710
	1685 1686 1688		1712
	1689 1702 1727		
	<u>Silver Bay</u> Station 81 91		<u><i>Polytoma foliata</i></u> Dall
	<u><i>Scaphella dohrni</i></u> Sowerby		<u>Oregon</u> Station 1495
	<u>Silver Bay</u> Station 2418 2424		<u><i>An. latrocyprinx</i></u> Oregon Dall
	<u><i>Scaphella dubia</i></u> Broderip		<u>Oregon</u> Station 1981
	<u>Silver Bay</u> Station 2426		<u><i>Zenopsis viatoriana</i></u> Dall
	<u><i>Scaphella gouldiana</i></u> Dall		<u>Oregon</u> Station 1863
MITRIDAE	<u>Combat</u> Station 458	SCAPHANDRIDAE	<u><i>Scaphander natator</i></u> Dall
	<u><i>Scaphella robusta</i></u> Dall		<u>Oregon</u> Station 1867
	<u>Oregon</u> Station 3825		<u><i>Loligo pealeii</i></u> Le Sueur
	<u>Silver Bay</u> Station 2418 2452 2480		<u>Oregon</u> Station 1495 1571 1556
OLIVIDAE	<u>Combat</u> Station 456		<u>Silver Bay</u> Station 5 7
	<u><i>Mitra c. tompsoni</i></u>		<u>Combat</u> Station 97 94 95
	<u>Silver Bay</u> Station 2481		99 101
	<u><i>Oliva sayana</i></u> Ravelin		
	<u>Oregon</u> Station 1694 1695 1776		

LIST OF FISHES

MOXINIDAE	<u>Myxine glutinosa</u> Linnaeus		SCYLIORHINIDAE (contd.)	<u>Scyliorhinus torrei</u> Nowell-Rivero		
	<u>Oregon</u> Station	1886	1945	<u>Silver Bay</u> Station 2457 2475 2477		
	<u>Combat</u> Station	450	473	<u>Scyliorhinus boa</u>		
	<u>Paramyxine springeri</u> Bigelow and Schroeder			<u>Silver Bay</u> Station 2482		
	<u>Oregon</u> Station	1445	1450	1886	TRIACIDAE	<u>Mustelus canis</u> (Mitchill)
		1945	2670			<u>Oregon</u> Station 2115
	<u>Silver Bay</u> Station	445	490	1189		<u>Silver Bay</u> Station 1266 1486 1642
		1190				1645 1664
HEXANCRIDAE	<u>Heptanchias perlo</u> (Bonnaterre)			<u>Mustelus norrisi</u> Springer		
	<u>Oregon</u> Station	1452		<u>Silver Bay</u> Station 7 526		
	<u>Silver Bay</u> Station	295		<u>Triakis barbata</u> Bigelow and Schroeder		
CARCHARIIDAE	<u>Carcharias taurus</u> Rafinesque			<u>Silver Bay</u> Station 441 2457 2458		
	<u>Silver Bay</u> Station	1005	1006	1009		2469 2475 2485
		1463	1751	1799	CARCHARHINIDAE	<u>Galeocerdo cuvieri</u> (Peron and Le Sueur)
ISURIDAE	<u>Isurus oxyrinchus</u> Rafinesque			<u>Oregon</u> Station 1469 1474 1476		
	<u>Oregon</u> Station	1468	1488a	1584		1478 1481 1488
		1590	1606	1610		1495 1584 1595
		1612	1626	1662		1606 1609 1610
		1900	2764			1612 1615 1617
						1619 1621 1622
						1664 1668 1684
						1896 1976
ALOPIIDAE	<u>Alopias vulpinus</u> (Bonnaterre)			<u>Silver Bay</u> Station 579 409 849		
	<u>Silver Bay</u> Station	157		<u>Prionace glauca</u> (Linnaeus)		
ORECTOLEGIDAE	<u>Ginglymostoma cirratum</u> (Bonnaterre)			<u>Oregon</u> Station 2769 2786		
	<u>Silver Bay</u> Station	915	989	1075	<u>Negaprion brevirostris</u> (Poey)	
SCYLIORHINIDAE	<u>Apristurus profundorum</u> (Goode and Bean)			<u>Oregon</u> Station 1628 1630 1668		
	<u>Oregon</u> Station	2777		1670 1671 1725		
	<u>Silver Bay</u> Station	1182		1735 1787		
	<u>Galeus ater</u> (Nichols)			<u>Silver Bay</u> Station 240		
	<u>Oregon</u> Station	1454	1537	1539	<u>Hypanus signatus</u> Poey	
		1540	1541	1542	<u>Oregon</u> Station 1567	
		1543	1546	1547	<u>Silver Bay</u> Station 2584 2724	
		1548	1550	1551	<u>Carcharhinus acronotus</u> (Poey)	
		1872	1883	1885	<u>Silver Bay</u> Station 2138	
		1889	1919	1930	<u>Carcharhinus limbatus</u> (Müller and Henle)	
		1921	1922	1923	<u>Oregon</u> Station 2128	
		1924	1925	1926	<u>Eulamia floridanus</u> (Bigelow, Schroeder and Springer)	
		1927	1928	1929	<u>Oregon</u> Station 1430 1433 1435	
		1931	1932	1933	1436 1469 1471	
		1942	1943	1944	1478 1480 1484	
		1945	1947	1948	1491 1582 1588	
		1949	2606	2651	1590 1592 1594	
		2665	2670	2672	1596 1598 1605	
		2674		1606 1619 1621		
	<u>Silver Bay</u> Station	232	237	241	1622 1624 1845	
		1192	1193	1194	1862 1896 1898	
		2040	2420	2421	1899 1900 1901	
		2423	2483		2141 2745 2768	
	<u>Combat</u> Station	215	224	226	2769 2786 2791	
		259	308	317	2796	
		319	322	330		
		332	436	438		
		439	441	442		
		444	453	458		
		459				
	<u>Pelican</u> Station	17	18	20		
		27				
	<u>Scyliorhinus retifer</u> (Garman)			<u>Silver Bay</u> Station 199		
	<u>Oregon</u> Station	1448	1453	1454	<u>Eulamia obscurus</u>	
		1455	1456	1518	<u>Oregon</u> Station 1474 1476 1478	
		1519	1528	1529	1481 1488b 1490	
		1530	1557	1538	1493 1584 1609	
		1539	1543	1548	1610 1612 1615	
		1550	1551	1564	1617 1619 1621	
		1565	1567	1569	1622 1624 1975	
		1577	1578	1580	1977 2766 2768	
		1883	1963	1966	2791 2796	
		1969	1971	2673		
		2674				
	<u>Silver Bay</u> Station	1177	1190	1191	<u>Combat</u> Station 39	
		1198	1277	1280	<u>Ptarotomops longimanus</u> (Poey)	
		1283	2175	2902	<u>Oregon</u> Station 1570 1431 1432	
	<u>Combat</u> Station	177	185	295	1433 1434 1435	
		300	357	438	1437 1439 1440	
		441	442		1469 1471 1473	
	<u>Pelican</u> Station	40		1478 1481 1482		
				1484 1488a 1488b		
				1490 1491 1495		
				1584 1586 1588		
				1590 1592 1594		

CARCHARHINIDAE
(contd.)

1595	1597	1598
1599	1603	1604
1606	1609	1617
1622	1624	1626
1845	1846	1862
1899	1900	1977
1978	1979	2785
2791	2796	

SQUALIDAF
(contd.)

<u>Squalus fernandinus</u> Molina	
<u>Oregon</u> Station	1961
<u>Silver Bay</u> Station	1740 1741
<u>Combat</u> Station	235 442 453
<u>Squalus</u> sp.	
<u>Combat</u> Station	288 289 295
	438 453

Scoliodon terraenovae (Richardson)

<u>Oregon</u> Station	2877
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SPHYRNIDAE Sphyraena diplana Springer

<u>Oregon</u> Station	1629 2386 2395
	2422 2423 2436
	2525

<u>Silver Bay</u> Station	199 362 378
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Sphyraena lewini (Griffith)

<u>Silver Bay</u> Station	172
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Sphyraena tiburo (Linnaeus)

<u>Oregon</u> Station	1629 1654 1657
	1659 1663 1716
	2101 2116 2127
	2136 2388 2869
	2877 2878 2904
	3046

<u>Silver Bay</u> Station	258 267 274
	319 327 919

<u>Combat</u> Station	504
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Sphyraena tudes

<u>Oregon</u> Station	2110
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Sphyraena zygaena (Linnaeus)

<u>Oregon</u> Station	2504 2873 2877
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SQUALIDAE Etmopterus bullisi Bigelow and Schroeder

<u>Oregon</u> Station	1952 2636 2672
<u>Silver Bay</u> Station	1607 2074 2421
	2449

<u>Combat</u> Station	444
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Etmopterus billianus (Poey)

<u>Oregon</u> Station	1568 2606 2639
	2647 2651 2663
	2664 2666

Etmopterus princeps

<u>Pelican</u> Station	43
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Etmopterus schultzi Bigelow, Schroeder and Springer

<u>Oregon</u> Station	1453 1507 1521
	1526 1527 1530

<u>Silver Bay</u> Station	1180
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Etmopterus virens Bigelow, Schroeder and Springer

<u>Oregon</u> Station	1441 1442 1456
	1460 1502 1509
	1516 1518 1519
	1521 1525 1526
	1527 1528 1529
	1530 1565 1889
	1924 1928 1943
	1963 1965 1966
	1968 1969 1984
	2825

Squalus acanthias Linnaeus

<u>Silver Bay</u> Station	1487 1725 1726
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Squalus cubensis Howell-Rivero

<u>Oregon</u> Station	1450 1564 2664
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<u>Silver Bay</u> Station	2468
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<u>Combat</u> Station	183
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DALATIIDAE

Dalatias liche (Bonnaterre)

<u>Silver Bay</u> Station	441 450 451
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PRISTIOPHORIDAE

Pristiophorus schroederi Springer and Bullis

<u>Silver Bay</u> Station	441 2457 2458
	2469

SQUATINIDAE

Squatina dumerili (Le Sueur)

<u>Silver Bay</u> Station	1268
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Squatina sp.

<u>Oregon</u> Station	1496 1558 1562
	1563 1648 1669
	1705 1716 1792
	1902 1961 1968
	2203 2527 3167
	3175
	316

<u>Silver Bay</u> Station	4 154 155
	176 178 180
	182 195 266
	281 300 314

<u>Combat</u> Station	382 383
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RHINOBATIDAE

Rhinobatos lentiginosus (Garman)

<u>Oregon</u> Station	1674 2993 3027
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<u>Silver Bay</u> Station	152 1226
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Rhinobatos percellens (Walbaum)

<u>Oregon</u> Station	2017 2043 2046
	2325

<u>Silver Bay</u> Station	69
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Rhinobatos sp.

<u>Silver Bay</u> Station	1286 1289
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TORPEDINIDAE

Torpedo andersoni Bullis

<u>Silver Bay</u> Station	2467 (type location)
	2470

Torpedo nobiliana Bonaparte

<u>Oregon</u> Station	1694 (6 fathoms)
	1907 2007 2008
	2025

<u>Silver Bay</u> Station	238 239 241
	243 244 245

<u>Combat</u> Station	290
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Narcine brasiliensis (Olfers)

<u>Oregon</u> Station	182 1740 1743
	1744 1750 1776
	1779 2055 2057
	2058 2385 2395
	2397 2408 2410
	2461 2503

<u>Silver Bay</u> Station	32 411 1329
	2288 2289 2355

Narcine sp.

<u>Oregon</u> Station	2001 2037
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Diplobatis pictus Palmer

<u>Oregon</u> Station	2321
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Diplobatis sp.

<u>Oregon</u> Station	2058 2213 2236
	2263 2267

TORPEDINIDAE
(contd.)Benthobatis marcida Bean and Weed

<u>Oregon</u> Station	1342
<u>Silver Bay</u> Station	441 442 450
	2420 2421 2457
	2469 2472 2477
	2479 2481 2482
<u>Combat</u> Station	238 436 442
	444 446 447
	448 453 458

RAJIDAE
(contd.)

1778	1779	1782
1783	2546	2552
2554	2555	2557

<u>Silver Bay</u> Station	3 4 6
	9 14 36
	157 159 162
	170 352 2383
	2390 2407 2410

Breviraja stripinna Bigelow and Schroeder

<u>Silver Bay</u> Station	2458
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Breviraja colesi Bigelow and Schroeder

<u>Silver Bay</u> Station	2457 2469 2482
	2483

Combat Station

238

Breviraja cubensis

<u>Silver Bay</u> Station	2458 2469 2475
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Combat Station

449 450

Breviraja plutonia (Garman)

<u>Silver Bay</u> Station	216 218 225
	449 454 458
	462 469 475
	484 1607 1608
	2420 2421 2485

Combat Station

183 231 288
289 312 324
325 329 330
357 414 431
433 434 436

439 454 459
473 486 499
500

500

Pelican Station

11 27 29
34 36 37
40 43 49
57 77 79

Breviraja sinus-mexicanus Bigelow and Schroeder

<u>Oregon</u> Station	379 795 1450
	1961

Breviraja spinosa Bigelow and Schroeder

<u>Oregon</u> Station	2030 ?
<u>Silver Bay</u> Station	443 3095
<u>Combat</u> Station	289 295 312
	357 436 442

Pelican Station

40

Breviraja sp.

<u>Oregon</u> Station	696 726 729
	730 1872 1883
	1927 1928 1929
	1931 1944 1949
	1952

Silver Bay Station

441 442 445
2449 2469 2484

Cruriraja atlantica

<u>Silver Bay</u> Station	2458 2469 2475
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Combat Station

450

Cruriraja poeyi Bigelow and Schroeder

<u>Silver Bay</u> Station	2457 2458 2469
<u>Combat</u> Station	447

Cruriraja sp.

<u>Oregon</u> Station	1895 1915 1916
	1919 1921 1932
	1933 1943 1945
	1946 1947 1949
	1950 1952 1918

Dactylobatis armatus Bean and Weed

<u>Silver Bay</u> Station	2074
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ARACANTHOBATIDAE	<i>Anacanthobatis longirostris</i>		ACIPENSERIDAE	<i>Acipenser oxyrinchus</i> Mitchell
	<u>Silver Bay</u> Station 2458			<u>Silver Bay</u> Station 1486
	<i>Springeria folirostris</i> (Bigelow and Schroeder)		ELOPIDAE	<i>Elops saurus</i> Linnaeus
	<u>Oregon</u> Station 1441 1453 1454			<u>Oregon</u> Station 1804 2586 2588
	1456 1505 1506			2973 3027
	1508 1557 1562			
	1563 1566 1568		ALSULIDAE	<i>Silver Bay Station 166 167</i>
	1569 1574 1579			<i>Albula vulpes</i> (Linnaeus)
	1580 1961 1962			<u>Oregon</u> Station 1600
	1963 1965 1969			<u>Silver Bay</u> Station 353 410 850
	2825			1062 1063
DASYATIDAE	<i>Dasyatis americana</i> Hildebrand and Schroeder		CLUPEIDAE	<i>Alosa alabamae</i> Jordan and Evermann
	<u>Oregon</u> Station 2882			<u>Silver Bay</u> Station 106
	<u>Silver Bay</u> Station 1521 1528 1553			<i>Alosa aestivalis</i> (Mitchill)
	<i>Dasyatis centroura</i> (Mitchill)			<u>Silver Bay</u> Station 1664 1725
	<u>Oregon</u> Station 1785 2194			<i>Alosa chrysocloris</i> (Rafinesque)
	<u>Silver Bay</u> Station 1250 1326 2133			<u>Oregon</u> Station 2115 2117
	2456 2581			<i>Alosa mediocris</i> (Mitchill)
	<i>Dasyatis geijekesi</i> Boeseman			<u>Silver Bay</u> Station 1400
	<u>Oregon</u> Station 2056			<i>Alosa sapidissima</i> (Wilson)
	<i>Dasyatis sabina</i> (Le Sueur)			<u>Silver Bay</u> Station 1664 1665 1666
	<u>Oregon</u> Station 2875			1747
	<u>Silver Bay</u> Station 1529 1586			<i>Brevoortia gunteri</i> Hildebrand
	<i>Dasyatis sayi</i> (Le Sueur)			<u>Oregon</u> Station 2869 2878 2903
	<u>Silver Bay</u> Station 241 242 1553			2914
	2578			
	<i>Dasyatis</i> sp.			<i>Brevoortia patronus</i> Goode
	<u>Oregon</u> Station 2057			<u>Oregon</u> Station 1649 2093 2098
GYMNURIDAE	<i>Gymnura micrura</i> (Bloch and Schneider)			2114 2115 2126
	<u>Oregon</u> Station 1653 2057 2058			2127 2128 2130
	2375 2876 2878			2142 2402 2403
	<u>Silver Bay</u> Station 320 929 1266			2408 2413 2415
	1748 2165			2416 2502 2583
UROLOPHIDAE	<i>Urolophus jamaicensis</i> (Cuvier)			2588 2616 2693
	<u>Oregon</u> Station 2058			2694 2695 2699
	<i>Urolophus micropterus</i> Delaman			2875 2876 2878
	<u>Oregon</u> Station 2055 2056			2881 2903 2914
	<i>Urolophus</i> sp.			3095 3141 3149
	<u>Oregon</u> Station 2055 2057 2210			
	2211 2215			
MYLIOBATIDAE	<i>Myliobatis freminvillii</i> Le Sueur			<i>Silver Bay Station 166 168</i>
	<u>Oregon</u> Station 2404 2408			<i>Brevoortia tyrannus</i> (Latrobe)
	<u>Silver Bay</u> Station 1498 2165 2553			<u>Silver Bay</u> Station 1313 1375 1376
	<i>Aetobatus marinari</i> (Euphraseo)			1625
	<u>Silver Bay</u> Station 167 244 1383			<i>Brevoortia smithi</i> Hildebrand
RHINOPTERIDAE	<i>Rhinoptera bocasus</i> (Mitchill)			<u>Oregon</u> Station 2712 2728 2731
	<u>Oregon</u> Station 2093 2094			<u>Silver Bay</u> Station 238 239
	<u>Silver Bay</u> Station 1373 1498			<u>Pelican</u> Station 2 3
	<i>Rhinoptera brasiliensis</i> Müller and Henle			<i>Clupea harengus</i> Linnaeus
	<u>Silver Bay</u> Station 1250			<u>Silver Bay</u> Station 2691
CHIMAERIDAE	<i>Hydrolagus alberti</i> Bigelow and Schroeder			<i>Dorosoma cepedianum</i> Le Sueur
	<u>Oregon</u> Station 1450 1451 1452			<u>Oregon</u> Station 2381
	1460 1506 1509			<i>Strumeus sadina</i> (Mitchill)
	1519 1521 1527			<u>Oregon</u> Station 1642 1657 1660
	1529 1565 1567			2093 2094 2095
	1568 1569 1570			2096 2097 2116
	1571 1574 1576			2118 2119 2121
	1577 1578 1579			2131 2136 2137
	1580 1872 1887			2157 2167 2168
	1919 1923 1933			2172 2173 2177
	1949 1955 2010			2178 2179 2183
	2011 2353			2380 2428 2431
	<u>Silver Bay</u> Station 450 2484			2441 2442 2444
	<i>Hydrolagus mirabilis</i> (Collett)			2445 2448 2449
	<u>Oregon</u> Station 1426			2455 2471 2472

CLUPEIDAE (contd.)	<u>Silver Bay</u> Station	1	4	152	CLUPEIDAE (contd.)	2374	2375	2379	
		160	162	163		2380	2383	2384	
		242	401	496		2389	2390	2391	
		713	727	728		2392	2393	2394	
		744	787	816		2403	2404	2405	
		1222	1391	1397		2406	2407	2408	
		1487	1498	1659		2411	2412	2413	
		2487	2670			2414	2415	2417	
	<u>Combat</u> Station		496			2418	2448	2460	
	<u>Harengula</u> <u>humeralis</u> Cuvier					2461	2462	2469	
	<u>Oregon</u> Station		1863			2471	2472	2473	
	<u>Silver Bay</u> Station		410			2494	2495	2496	
	<u>Harengula</u> <u>majorina</u>					2497	2504	2511	
	<u>Oregon</u> Station		2215			2550	2553	2559	
	<u>Harengula</u> <u>pensacolae</u> Goode and Bean					2560	2561	2562	
	<u>Oregon</u> Station		40	122	1649		2563	2564	2590
		1718	1805	1834		2600	2689	2694	
		2093	2094	2095		2695	2713	2714	
		2097	2098	2099		2715	2716	2717	
		2100	2102	2118		2718	2720	2726	
		2119	2120	2121		2729	2740	2742	
		2122	2123	2124		2753	2797	2851	
		2125	2126	2127		2870	2878	2883	
		2128	2130	2142		2898	2904	2910	
		2143	2144	2145		2914	2928	2967	
		2152	2153	2154		3027	3103	3109	
		2173	2193	2194		3149			
		2223	2374	2375					
		2380	2381	2382	<u>Silver Bay</u> Station	163	165	166	
		2383	2384	2390		167	169	188	
		2391	2392	2393		169	191	238	
		2394	2395	2398		239	241	351	
		2403	2404	2405		352	362	364	
		2406	2407	2408		374	498	722	
		2409	2410	2411		846	880	900	
		2412	2413	2414		914	940	943	
		2415	2416	2418		1211	1212	1214	
		2421	2422	2423		1226	1227	1240	
		2457	2460	2461		1241	1242	1249	
		2462	2473	2474		1251	1252	1262	
		2494	2495	2496		1264	1284	1285	
		2497	2501	2504		1286	1287	1289	
		2505	2526	2551		1289	1290	1303	
		2558	2560	2561		1307	1309	1310	
		2562	2563	2564		1351	1375	2165	
		2585	2586	2587		2216			
		2588	2590	2600	<u>Combat</u> Station	504			
		2711	2720	2726					
		2729	2753	2797					
		2851	2879	2898					
		2904	2910	2926					
		2928	2993	3022					
		3082	3095	3103					
		3114	3141	3149					
	<u>Silver Bay</u> Station	152	153	165	<u>Sardinella</u> <u>anchovia</u> Valenciennes				
		166	167	168					
		169	238	239	<u>Oregon</u> Station	1489	1600	1639	
		245	246	257		1647	1648	1666	
		273				1718	2162	2244	
	<u>Harengula</u> sp.					2428	2432	2438	
	<u>Oregon</u> Station	771		1974		2439	2440	2449	
	<u>Silver Bay</u> Station	2178				2455	2470	2505	
	<u>Ilisha</u> <u>argentata</u>					2531	2532	2534	
	<u>Oregon</u> Station	2215				2559	2687	2715	
	<u>Junkinsia</u> <u>improtaenia</u> (Gosse)					2720	2727	2729	
	<u>Oregon</u> Station	1600	1607	1852		2742	2910	2928	
		Campeche	Bank			3016	3141		
		Arca	Cay		<u>Silver Bay</u> Station	153	161	350	
	<u>Silver Bay</u> Station	358	396	816		351	352	372	
	<u>Junkinsia</u> sp.					391	396	398	
	<u>Oregon</u> Station	1600	1842	1848		401	411	498	
		1853				716	723	725	
	<u>Odontognathus</u> <u>mucronatus</u> Lacepede					846	849	849	
	<u>Oregon</u> Station	2325				864	916	940	
	<u>Opisthonema</u> <u>oglinum</u> (Le Sueur)					943	1121	1209	
	<u>Oregon</u> Station	2045	2093	2095		1214	1222	1231	
		2096	2098	2099		1508	2138		
		2119	2122	2123	<u>Combat</u> Station	67	203	336	
		2124	2125	2127		496	504		
		2128	2130	2135					
		2136	2137	2142					
		2144	2145	2152					
		2205	2206	2218	<u>Signalosa</u> <u>atchafalayae</u> Evermann and Kendall				
					<u>Oregon</u> Station	2115			
					<u>Anchoa</u> <u>hepsetus</u> (Linnaeus)				
					<u>Oregon</u> Station	1648	1784	2093	
						2117	2152	2193	
						2374	2379	2380	
						2381	2383	2384	
						2390	2391	2392	
						2393	2398	2401	
						2402	2403	2422	
						2498	2501	2502	
						2503	2504	2862	
					<u>Silver Bay</u> Station	1310	1328		
					<u>Anchoa</u> <u>mitchilli</u> (Valenciennes)				
					<u>Oregon</u> Station	2122	2124	2128	
						2130	2193	2386	
						2397	2398	2460	
						2914	2915		

ENGRAULIDAE (contd.)	<u>Silver Bay</u> Station	1747	STOMIATIDAE	<u>Stomias affinis</u> Günther	1423	2567	2570
	<u>Anchoa</u> sp.			<u>Oregon</u> Station			
	<u>Oregon</u> Station	2215		<u>Stomias</u> sp.			
	<u>Anchoviella eurystole</u> (Swain and Meek)			<u>Oregon</u> Station	2779	2945	
	<u>Oregon</u> Station	1489 1647	BATHYLAGIDAE	<u>Bathylagus bericooides</u> (Borodin)			
	<u>Anchoviella perfasciata</u> (Poey)			<u>Oregon</u> Station	2548	2944	
	<u>Oregon</u> Station	1380 1600 1824		<u>Bathylagus longirostris</u> Maul			
	<u>Anchoviella</u> sp.			<u>Oregon</u> Station	2507	2944	
	<u>Oregon</u> Station	1602 1605		<u>Bathylagus</u> sp.			
ALEPOCEPHALIDAE	<u>Alepocephalus productus</u> Gill		MELANOSTOMIATIDAE	<u>Bathophilus gigliogli</u>			
	<u>Oregon</u> Station	1303		<u>Oregon</u> Station	2944		
	<u>Conocara murrayi</u> (Koefoed)			<u>Bathophilus pawnei</u> Parr			
	<u>Oregon</u> Station	1303		<u>Oregon</u> Station	1418 1565	2507	
	<u>Conocara</u> sp.			<u>Echiostoma barbatum</u> Lowe			
	<u>Oregon</u> Station	1426		<u>Oregon</u> Station	796	1940	2548
	<u>Grimmatroctes bullisi</u> Grey			<u>Echiostoma tanneri</u> (Gill)			
	<u>Oregon</u> Station	1303		<u>Oregon</u> Station	2507		
	<u>Leptoderma</u> sp.			<u>Echiostoma</u> sp.			
	<u>Oregon</u> Station	1907 1955		<u>Oregon</u> Station	2813	2945	
	<u>Silver Bay</u> Station	1197		<u>Eustomias bigelowi</u> Welsh			
	<u>Narcetes stomias</u> (Gilbert)			<u>Oregon</u> Station	2573		
	<u>Oregon</u> Station	1303		<u>Eustomias schmidti</u> Regan and Trewavas			
	<u>Photostylus pycnopterus</u> Beebe			<u>Oregon</u> Station	2570		
	<u>Oregon</u> Station	2201 2570		<u>Eustomias</u> sp.			
	<u>Roulenia attritus</u> (Vaillant)			<u>Oregon</u> Station	2012 2944	2945	
	<u>Oregon</u> Station	1302 1303		<u>Flagellostomias</u> sp.			
	<u>Talismania</u> sp.			<u>Oregon</u> Station	3102		
	<u>Oregon</u> Station	1907 2011		<u>Grammatostomias circularis</u> Morrow			
	<u>Xenodermichthys</u> sp.			<u>Oregon</u> Station	2507		
	<u>Oregon</u> Station	1907 1910		<u>Hoplostomias</u> sp. ?			
BARBOURISIDAE ?	<u>Barbourisia rufa</u> Parr			<u>Oregon</u> Station	2945		
	<u>Pelican</u> Station	49		<u>Leptostomias ramosus</u> Regan and Trewavas			
ARGENTINIDAE	<u>Argentina striata</u> Goode and Bean			<u>Oregon</u> Station	1425		
	<u>Oregon</u> Station	864 1026 1448		<u>Leptostomias</u> sp.			
	1501 1504 1508			<u>Oregon</u> Station	2944		
	1509 1514 1517			<u>Melanostomias bilobatus</u> Koefoed			
	1518 1521 1524			<u>Oregon</u> Station	2573		
	1525 1527 1528			<u>Melanostomias biseriatus</u> Regan and Trewavas			
	1530 1537 1538			<u>Oregon</u> Station	1915		
	1539 1540 1542			<u>Melanostomias</u> sp. ?			
	1543 1546 1548			<u>Oregon</u> Station	2945		
	1550 1556 1562			<u>Photoctetes</u> sp.			
	1565 1784 1868			<u>Oregon</u> Station	2944 2945		
	1872 1883 1915		IDIACANTHIDAE	<u>Idiacanthus fasciola</u> Peters			
	1923 1983 2547			<u>Oregon</u> Station	2570		
	2658 2669 2670			<u>Aristostomias</u> sp.			
	2671 2672 2674			<u>Oregon</u> Station	2191	2945	
	3173			<u>Malacosteus</u> sp. ?			
	<u>Silver Bay</u> Station	156 157 212		<u>Oregon</u> Station	3102		
	217 218 1189			<u>Malacosteus</u> sp.			
	1190 1191 1201			<u>Oregon</u> Station	2945		
	1968 2457 2482			<u>Oregon</u> Station	2944	2945	
	2731			<u>Oregon</u> Station	2944	2945	
	<u>Combat</u> Station	281 319 441		<u>Idiacanthus</u> fasciola Peters			
	491			<u>Oregon</u> Station	2570		
	<u>Glossanodon pygmaeus</u> Coben			<u>Oregon</u> Station	2945		
	<u>Oregon</u> Station	156 550 858	MALACOSTEIDAE	<u>Aristostomias</u> sp.			
	1026 (type loc.)			<u>Oregon</u> Station	2191	2945	3102
	1868 1902 1963			<u>Malacosteus</u> sp. ?			
	1985 1989 2057			<u>Oregon</u> Station	3102		
	<u>Silver Bay</u> Station	217		<u>Oregon</u> Station			
	<u>Combat</u> Station	332 441 475					
	484 488 490						
	491						

MALACOSTEIDAE (contd.)	<u>Photostomias guernei</u> Collett	Oregon Station 1423 2191 2507 2570 2944 2945	GONOSTOMATIDAE (contd.)	<u>Gonostomus elongatum</u> (Günther)
	<u>Thaumastomias atrox</u> Alcock	Oregon Station 2191		Oregon Station 1182 1195 1927 1940 1954 1955 2007 2010 2011 2191 2201 2507 2567 2570 2571 2573 2574 2779 2823 2944 2945 3102
ASTRONESTRIDAE	<u>Astronesthes aluceus</u>	Oregon Station 1955		Silver Bay Station 453 1182 1195 2584
	<u>Astronesthes filifer</u> Regan and Trewavas	Oregon Station 1895		<u>Ichthyococcus ovatus</u> (Cocco) Bonaparte
	<u>Astronesthes richardsoni</u> Poey	Oregon Station 1895		Oregon Station 2464 2944
	<u>Astronesthes sp.</u>	Oregon Station 2191 2945 3102		<u>Margrethia obtusirostris</u> Jespersen and Tåning
	<u>Borostomias elucens</u> (Brauer)	Oregon Station 1028		Oregon Station 2570
	<u>Beterophotus ophistoma</u> Regan and Trewavas	Oregon Station 1955		<u>Maurolicus muelleri</u> (Gmelin)
CHAULIODONTIDAE	<u>Chauliodus danae</u> Regan and Trewavas	Oregon Station 2507		Oregon Station 1189 2378 2799
	<u>Chauliodus sloanei</u> Bloch and Schneider	Oregon Station 1502 1517 1519 1521 1524 1525 1526 1527 1541 1567 1568 1569 1570 1572 1574 1579 1580 1915 1916 1917 1918 1923 1924 1928 1939 1940 1941 1945 1966 1972 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2031 2191 2200 2378 2507 2773 2815 2823 2944 2945		Silver Bay Station 1740 Combat Station 444
	<u>Silver Bay Station</u>	454 1178 1179 1180		<u>Pollicibthys mauli</u> Grey
	<u>Chauliodus sp.</u>	Oregon Station 1991 2008 2352 2777 2779 2945 3102		Oregon Station 1905 1907 2191 2507 2604 2606 3102
	<u>Argyriplus atlanticus</u> Maul	Oregon Station 2644 2645 2646 Combat Station 235		<u>Polymetme corythacola</u> (Alcock)
GONOSTOMATIDAE	<u>Bonapartia pedaliota</u> Goode and Bean	Oregon Station 2464 2548 2570 2577		Oregon Station 1054 1055 1541 1565 1566 1574 1871 1872 1888 1889 1902 1903 1919 1921 1945 1945 1963 1991 1992 1999 2005 2285 2352 2606 2336 2670 2671 2672 2771
	<u>Cyclothona braueri</u> Jespersen and Tåning	Oregon Station 2464		Silver Bay Station 2420 2469 2458 2475
	<u>Cyclothona sp.</u>	Oregon Station 2823 2945 Combat Station 295		Combat Station 271 444 436 450
	<u>Diploplos maderensis</u> (Johnson)	Oregon Station 2008		<u>Scooda megalophthalma</u> Grey
	<u>Gocostoma atlanticum</u> Norman	Oregon Station 2464 2574 2577		Oregon Station 1918 1924 1928 1931 1933
	<u>Gocostoma bathyphilum</u> Vaillant	Oregon Station 445		<u>Sonoda paucilampa</u> Grey
	<u>Silver Bay Station</u>			Oregon Station 2606 Combat Station 235
	<u>STERNOPTICHIDAE</u>			<u>Triphlopha hemingi</u> (McArdle)
	<u>Argyropelecus aculeatus</u> Valenciennes			Oregon Station 1907 1916 2007 2777
	<u>Oregon Station</u>			<u>Valecienellus tripunctulatus</u> (Esmark)
	<u>Vinciguerria nimbaria</u> (Jordan and Williams)			Oregon Station 2567 2570
	<u>Vinciguerria poweriae</u> Cocco			<u>Oregon Station</u>
	<u>Vinciguerria sp.</u>			2191
	<u>Yarrella blackfordi</u> Goode and Bean			<u>Oregon Station</u>
	<u>Yarrella sp.</u>			3102
	<u>Sternoptychidae</u>			<u>Oregon Station</u>
	<u>Argyropelecus aculeatus</u> Valenciennes			126 1980 2009 2010 2011 2777
	<u>Oregon Station</u>			<u>Silver Bay Station</u>
	<u>Combat Station</u>			1181 1195
	<u>Yarrella sp.</u>			450
	<u>Silver Bay Station</u>			<u>Oregon Station</u>
	<u>Argyropelecus aculeatus</u> Valenciennes			1340 1944
	<u>Oregon Station</u>			<u>Oregon Station</u>
	<u>Combat Station</u>			1555 1872 1905 1940 1942 1944 1945
	<u>Silver Bay Station</u>			<u>Silver Bay Station</u>
	<u>Argyropelecus aculeatus</u> Valenciennes			442 443 449

STERNOPTICHIDAE
(contd.)

<u>Combat</u> Station	291	444
<u>Argyropelecus affinis</u> German		
<u>Oregon</u> Station	1955	
<u>Silver Bay</u> Station	1613	2074
<u>Combat</u> Station	301	304
<u>Pelican</u> Station	40	
<u>Argyropelecus hemigymnus</u> Cocco		
<u>Combat</u> Station	296	
<u>Argyropelecus olfersi</u> (Cuvier)		
<u>Oregon</u> Station	1852	
<u>Argyropelecus sideneri</u>		
<u>Oregon</u> Station	1340	1870
<u>Polyipnus asteroides</u> Schultz		
<u>Oregon</u> Station	1565	1570
	1905	1918
	2507	2604
	2639	2645
<u>Silver Bay</u> Station	449	1613
<u>Combat</u> Station	517	436
<u>Polyipnus laternatus</u> German		
<u>Oregon</u> Station	1370	1550
	1887	1888
	1922	1924
	1947	1940
<u>Combat</u> Station	450	460
<u>Polyipnus</u> sp.		
<u>Oregon</u> Station	2685	
<u>Combat</u> Station	238	
<u>Sternopyx diaphana</u> Germann		
<u>Oregon</u> Station	349	1018
	1356	1370
	1436	1598
<u>Silver Bay</u> Station	445	1177
<u>Combat</u> Station	224	290
	296	300
	302	304
	312	313
	324	325
<u>Pelican</u> Station	11	49
<u>Sternopyx</u> sp.		
<u>Oregon</u> Station	2823	
HALOSAURIDAE		
<u>Aldrovandia affinis</u> Alcock		
<u>Oregon</u> Station	2813	2814
	2821	2820
<u>Aldrovandia gracilis</u> Goode and Bean		
<u>Oregon</u> Station	2814	2813
	2821	2820
<u>Balosaurus guntheri</u> Goode and Bean		
<u>Oregon</u> Station	1947	1955
	2824	
<u>Balosaurus oweni</u> ? Johnson		
<u>Oregon</u> Station	1960	
NOTACANTHIDAE		
<u>Polysacanthonus</u> sp.		
<u>Oregon</u> Station	2824	
SYNAPHOBRANCHIDAE		
<u>Synaphobranchus affinis</u> Johnson		
<u>Silver Bay</u> Station	446	452

SYNAPHOBRANCHIDAE	<u>Synaphobranchus brevidorsalis</u> Günther	
	<u>Oregon</u> Station	1303
	<u>Synaphobranchus kaupii</u> Johnson	
	<u>Oregon</u> Station	1855
	<u>Silver Bay</u> Station	445 445 453
	<u>Synaphobranchus oregoni</u> Castle	
	<u>Oregon</u> Station	640 2822
ILYOPHIDAE	<u>Ilyophis brunneus</u> Gilbert	
	<u>Oregon</u> Station	2202 2822
MURAENESOCIDAE	<u>Muraenesox savanna</u> (Cuvier)	
	<u>Oregon</u> Station	2347
CONGRIDAE	<u>Ariommata selengae</u> Reid	
	<u>Oregon</u> Station	1891 2080 2081
	<u>Combat</u> Station	446 448
	<u>Ariommata impressa</u> (Poey)	
	<u>Oregon</u> Station	2047 2168 2247
	<u>Silver Bay</u> Station	1376 1393 1791
	<u>Combat</u> Station	236 461
	<u>Bathycongrus</u> sp. nov.	
	<u>Oregon</u> Station	2290 2351
	<u>Combat</u> Station	445
	<u>Bathycongrus dubius</u> (Breder)	
	<u>Oregon</u> Station	1548 1869 1888
		1889 1985 2005
		2772
	<u>Silver Bay</u> Station	1190
	<u>Hildebrandia flava</u> (Goode and Bean)	
	<u>Oregon</u> Station	2226 2348 2653
	<u>Bathycongrus gracilior</u> Ginsburg	
	<u>Oregon</u> Station	1343 1868 1879
		1986 1987 2298
		2654 2666
	<u>Bathycongrus thysanochilus</u>	
	<u>Oregon</u> Station	1878 2633 2639
		2653
	<u>Combat</u> Station	446
	<u>Bathycongrus vicinus</u>	
	<u>Oregon</u> Station	1425 2010 2011
	<u>Coloconger meadi</u> Kana-awa	
	<u>Oregon</u> Station	1906 1923 2005
		2010 2011
		2051
	<u>Conger oceanicus</u> (Mitschilli)	
	<u>Silver Bay</u> Station	1212 1268 1329
		2082
	<u>Congrina</u> sp. nov.	
	<u>Oregon</u> Station	1921 2005 2021
		2080 2081
	<u>Gnathophis</u> sp. nov.	
	<u>Silver Bay</u> Station	1200
	<u>Hoplunnis diomediana</u> Goode and Bean	
	<u>Silver Bay</u> Station	100
	<u>Hoplunnis macrurus</u> Ginsburg	
	<u>Oregon</u> Station	27 2329
		187

CONGRIDAE (contd.)	<i>Hoplunnis tenuis</i> Ginsburg	NEMICHTHYIDAE (contd.)	<i>Labichthys carinatus</i> Cill and Ryder
	<u>Oregon</u> Station 1986 2268 2329		<u>Oregon</u> Station 2944 2945
	<u>Combat</u> Station 238		<i>Nemichthys scolopaceus</i> Richardson
	<i>Hoplunnis</i> sp.		<u>Oregon</u> Station 2944 2945
	<u>Silver Bay</u> Station 1968		<u>Silver Bay</u> Station 333
	<i>Neoconger mucronatus</i> Girard		<u>Platuronides ophiocelphalus</u> Parr
	<u>Oregon</u> Station 2916		<u>Oregon</u> Station 1425
	<i>Paraconger guianensis</i> Kanazawa		<i>Serrivomer</i> sp.
	<u>Oregon</u> Station 2044 2046		<u>Combat</u> Station 42
	<i>Paraxenomystax bidentatus</i> Reid		<i>Letharchus velifer</i> Goode and Bean
DYSOMMINIDAE	<u>Oregon</u> Station 1943	OPICHTHYIDAE	<u>Silver Bay</u> Station 1568 2041 2114
	<u>Combat</u> Station 235 236 238		<i>Mystriophis intertinctus</i> (Richardson)
	<i>Paraxenomystax</i> sp. nov.		<u>Silver Bay</u> Station 390
	<u>Oregon</u> Station 1903 1983 1985		<u>Combat</u> Station 339
	2005 2024 2026		<i>Ophichthus gomesii</i> (Castelnau)
	2080 2606 2653		<u>Oregon</u> Station 2297 2315a
	2654 2656 2666		<i>Ophichthus ocellatus</i> (Le Sueur)
	2772		<u>Oregon</u> Station 2015
	<u>Combat</u> Station 447 448		<u>Silver Bay</u> Station 243 244 1259
	<i>Promyliantor perturbator</i> Parr		<u>Combat</u> Station 164 386 454
NETTASTOMIDAE	<u>Oregon</u> Station 1922 1929	MURAENIDAE	<i>George M. Bowers</i> Station 50
	<i>Promyliantor schmitti</i> Hildebrand		<i>Ophichthus</i> sp.
	<u>Oregon</u> Station 1906 2009 2822		<u>Oregon</u> Station 2076
	<i>Uroconger syringinus</i> Ginsburg		<i>Scytopelophis parilis</i>
	<u>Oregon</u> Station 2208 2268		<u>Oregon</u> Station 2229
	<i>Dyscomina aphododera</i> Ginsburg		<i>Sphagebranchus anguiformis</i> (Peters)
	<u>Oregon</u> Station 2346		<u>Combat</u> Station 455
	<i>Dyscomina rugosa</i> Ginsburg		<i>Verma kendalli</i> (Gilbert)
	<u>Oregon</u> Station 2777		<u>Silver Bay</u> Station 1739
	<u>Silver Bay</u> Station 1190		<i>Anarchias yoshiae</i> Kanazawa
ECHELIDAE	<u>Combat</u> Station 82 84 308	ARIIDAE	<u>Silver Bay</u> Station 1971
	310		<i>Gymnothorax moringa</i> (Cuvier)
	<u>Pelican</u> Station 36		<u>Silver Bay</u> Station 110 407
	<i>Nettastoma melanurum</i> Rafinesque		<i>Gymnothorax nigromarginatus</i> (Girard)
	<u>Oregon</u> Station 2822		<u>Oregon</u> Station 2268
	<u>Silver Bay</u> Station 2458		<u>Silver Bay</u> Station 43
	<i>Nettastoma</i> sp.		<i>Gymnothorax ocellatus</i> Agassiz
	<u>Oregon</u> Station 2011 2030 2039		<u>Oregon</u> Station 1531 1532 1535
	<u>Combat</u> Station 449 450		1536 1705 1706
	<i>Saurenhelya</i> sp.		1712 1716 1719
NEMICHTHYIDAE	<u>Oregon</u> Station 944 2653		1724 1928 1995
	<i>Venefica procura</i> (Goode and Bean)		1996 1997 1998
	<u>Oregon</u> Station 1303 1955		2000 2019 2032
	<i>Venefica</i> sp.		2035 2044 2045
	<u>Oregon</u> Station 2202		2046 2062 2203
	<i>Ahlia egmontis</i> Jordan		2514 2517 2537
	<u>Oregon</u> Station 1850		<u>Silver Bay</u> Station 37 161 162
	<u>Silver Bay</u> Station 371		163 164 170
	<u>George M. Bowers</u>		<u>Combat</u> Station 68 452
	Barracuda Key		<i>Gymnothorax saxicula</i> Jordan and Davis
	<i>Myrophis punctatus</i> Lütken		<u>Silver Bay</u> Station 70 406 1360
	<u>Oregon</u> Station 2		<i>Gymnothorax</i> sp.
	<i>Parabathymyrus</i> sp. nov.		<u>Silver Bay</u> Station 2008
	<u>Oregon</u> Station 1987 2022 2656		<i>Bagre marinus</i> (Mitchill)
	<i>Avocettina</i> sp.		<u>Oregon</u> Station 1627 1640 1660
	<u>Oregon</u> Station 2507 2944 2945		1661 1784 2009
	<u>Combat</u> Station 85		2055 2056 2057

ARIIDAE (contd.)	2075 2126 2127 2128 2209 2393 2486 2488 2493 2866 2869 2878 2881 2904 2993 3027 3046 3053 3114	SYNODONTIDAE (contd.)	Silver Bay Station 12 51 91 108 154 155 156 351 401 451 438 441 2391 2457 2464 2468 2472 2476 2482
Silver Bay Station	165 169 170 187 241 242 243 244 245 303 929	Combat Station	76
Galeichthys felis (Linnaeus)		Pelican Station	16
Oregon Station	1642 1647 1648 1649 1650 1716 1717 1718 1719 1740 1750 1759 1783 1784 2101 2124 2127 2142 2153 2154 2381 2384 2385 2386 2390 2391 2393 2394 2397 2398 2406 2407 2408 2410 2411 2413 2414 2419 2420 2423 2431 2458 2461 2462 2493 2494 2495 2496 2497 2498 2501 2502 2503 2504 2524 2549 2550 2559 2560 2561 2562 2563 2564 2590 2600 2676 2653 2666 2669 2878 2898 2904 2910 2926 2933 2967 2984 3027 3066 3078 3082 3114 3124 3138 3141	Saurida parr Norman	
Silver Bay Station	152 162 163 165 166 167 168 169 170 188 189 238 239 241 242 243 244 245 258 303	Oregon Station	1345
Pelican Station	8	Saurida suspicio	
EVERMANNELLIDAE	<u>Evermannella normallops</u> Parr	Oregon Station	2610 2631
	Oregon Station 2945	Synodus cinereus Hildebrand	
	Evermannella spp.	Oregon Station	2630
AULOPIDAE	<u>Aulopus canace</u> Mead	Synodus foetens (Linnaeus)	
	Silver Bay Station 1200	Oregon Station	1494 1495 1496 1499 1500 1513 1531 1532 1533 1534 1535 1600 1627 1628 1637 1638 1639 1641 1647 1650 1652 1654 1655 1656 1657 1658 1660 1661 1662 1663 1664 1668 1669 1670 1671 1690 1694 1701 1702 1703 1704 1705 1708 1709 1710 1713 1715 1716 1717 1718 1719 1725 1728 1729 1749 1758 1762 1763 1788 1789 1790 1791 1800 1802 1803 2076 2095 2101 2111 2122 2123 2224 2236 2262 2266 2325 2327 2373 2375 2376 2380 2398 2408 2537 2566 2567 2613 2910 2926 2933 2967 2984 3013 3082 3114 3124
SYNODONTIDAE	<u>Saurida brasiliensis</u> Norman	Silver Bay Station	1 3 4 5 6 8 9 10 12 14 81 88 90 91 109 110 111 152 153 158 159 160 161 162 163 164 165 166 167 168 176 177 178 179 180 187 189 190 191 194 195 197 198 200 201 202 203 204 206 208 210 238 239 240 261 263 274 276 279 281 344 360 460 461 709 800 841 843 845 846 856 864 880 915 919 929 940 970 1005 1007 1008 1062 1085 1120 1204 1218 1228 1238 1240 1242 1243 1249 1253 1254 1259 1286 1287 1288 1289 1290 1320 1345 1351 1485 1508 1518 1537 1554 1664 1742 2077 2078 2083 2133 2143 2149 2165 2409 2411 2438 2459 2440 2441 2451 2525 2537 2578 2580 2581
	Saurida caribbaca Breder	Combat Station	158
	Oregon Station 1342 1784 1868 1883 1903 1989 2244 2633 2634 2644 2658	Saurida normani Longley	
	Silver Bay Station 2482	Oregon Station 1496 1500 1532 1556 1558 1559 1640 1668 1876 1878 1903 1925 1986 1989 1993 2001 2003 2016 2021 2205 2231 2246 2259 2261 2273 2275 2464 2606 2623	

SYNODONTIDAE
(contd.)Pelican Station 7 8 16

21 39

George M. Bowers
Station 235Synodus inereusBahamas, 1 mile West of
Cat Cay, 6 fathoms, 7-22-55Synodus intermedius (Agassiz)Oregon Station1004 1026 1553
1698 1875 1876
1935 1917 2245
2262 2607 2608
2623 2624 2649SYNODONTIDAE
(contd.)
PARALEPIDIDAEPelican Station 32Lestidium pseudosphaeroides (Ege)Oregon Station 1944Lestidium affine (Ege)Oregon Station 1305Stemonosudis sp.Oregon Station 1598Chlorophthalmus agassizi BonaparteOregon Station 1871 1887 1919
1920 1921 1981
1984 2008Silver Bay Station110 411 431
1208 1233 1523
2147 2409 2410
2411 2438 2451

SUDIDAE

Combat Station66 67 68
69 71 108
158 164 509George M. Bowers
Station 235Synodus pocyt JordanOregon Station916 944 1004
1600 1866 1867
1873 1875 1876
1877 1882 1890
2016 2017 2021
2032 2035 2036
2044 2045 2062
2074 2233 2236
2238 2241 2245
2247 2248 2249
2250 2251 2263
2273 2274 2275
2281 2288 2301
2304 2321a 2603
2616 2621 2626
2630 2632 2654Silver Bay Station1505 1742 2395
2409 2438 2439
2467 2476Combat Station

383

Synodus raurusOregonBahamas, 1 mile West of
Cat CaySynodus synodus (Linnaeus)Oregon Station

1892 2607 2623

2624

Silver Bay Station

2170 2359 2369

2719

Combat Station

236

Trachinocerphalus myops (Forster)Oregon Station1074 1145 1183
1365 1367 1374
1580 1477 1559
1583 1593 1600
1602 1605 1637
1699 1863 2000
2019 2035 2036
2046 2063 2074
2077 2078 2089
E091 2249 2261
2544Silver Bay Station364 390 393
401 749 916
1211 1212 1219
1220 1233 1247
1268 1341 1345
1501 1504 2357
2376 2409 2411
2439 2451 2494
2500 2511 2525
2536 2542Combat Station66 67 68
69 71 101
159 320 346
383 392 424
496 497 498
501SYNODONTIDAE
(contd.)
PARALEPIDIDAEPelican Station 32Lestidium pseudosphaeroides (Ege)Oregon Station 1944Lestidium affine (Ege)Oregon Station 1305Stemonosudis sp.Oregon Station 1598Chlorophthalmus agassizi BonaparteOregon Station 1871 1887 1919
1920 1921 1981
1984 2008Silver Bay Station 211 212 217

226 227 228

454 1185 1190

1195 1551 1605

1607 1610 1619

2420 2483

Combat Station 177 183 218

224 284 285

286 288 289

300 303 313

316 317 319

322 323 324

332 430 431

435 434 435

436 458 439

441 442 455

458 462 467

472 473 475

477 479 480

483 484 485

487 491

Pelican Station 34 36 39

40 43

Chlorophthalmus braziliensis MeadOregon Station 2082 2083Chlorophthalmus chalybaeus (Goode)Oregon Station 1026 1380 1455

1501 1504 1505

1525 1527 1528

1529 1530 1537

1538 1539 1540

1541 1542 1543

1546 1548 1550

1572 1971 2006

2825

Silver Bay Station 441 442 449

454

Combat Station 436 438 439

441 444

Pelican Station 10 11 13

17 18 20

29 57

Parasudis triculatus (Goode and Bean)Oregon Station 1441 1501 1504

1505 1506 1509

1517 1518 1519

1521 1525 1526

1527 1528 1530

1537 1539 1540

1541 1542 1543

1546 1547 1562

1563 1564 1565

1567 1568 1570

1573 1574 1578

1580 1872 1885

1889 1919 1922

1959 1961 1963

1964 1966 1968

1971 1981 1984

1989 1994 2004

2006 2007 2008

2012 2022 2023

2024 2025 2027

2029 2633 2635

2636 2650 2651

2656 2658 2772

Silver Bay Station 226 1178 1185

1190 2902

Combat Station 211 319 439

BATHYPTEROIDAE

Bathypterois bigelowi Mead

<u>Oregon</u> Station	1849	1906	1908
	1909	1910	1911
	1912	1913	1914
	1915	1917	2824

Bathypterois phenax Parr

<u>Oregon</u> Station	1303	2821
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Bathypterois quadrifilis Günther

<u>Oregon</u> Station	1955
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Bathypterois viridensis Roule

<u>Oregon</u> Station	1906	1907	1914
	1915		

Bathytyphlops marionae Mead

<u>Oregon</u> Station	1955
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BENTHOSAURIDAE

Benthosaurus grallator Goode and Bean

<u>Oregon</u> Station	1303	2820
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MYCTOPHIDAE

Aethoprorra effulgeus Goode and Bean

<u>Oregon</u> Station	1906
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Aethoprorra metopoclampa (Cocco)

<u>Oregon</u> Station	1915
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Benthosema simile Tåning

<u>Oregon</u> Station	1028
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Benthosema suborbitale (Gilbert)

<u>Oregon</u> Station	2570	2573	2575
	2817		

Centrobranchus nigro-ocellatus Günther

<u>Oregon</u> Station	1365	1374	2569
	2789	2820	2868

<u>Silver Bay</u> Station	2201
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Ceratoscopelus maderensis (Lowe)

<u>Silver Bay</u> Station	2902
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Ceratoscopelus townsendi (Eig and Eig)

<u>Oregon</u> Station	2191	2570	2575
	2576	2944	2945

Diaphus brachycephalus (Tåning)

<u>Oregon</u> Station	2464
	2583

Diaphus dumerili (Bleeker)

<u>Oregon</u> Station	1340	1370	2186
	2201	2378	2396
	2464	2574	2576
	2604	2635	2644
	2648	2654	2655
	2666	2788	2803

<u>Silver Bay</u> Station	1184	1188	1201
	2074	2076	

<u>Combat</u> Station	445	446
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Diaphus garmani Gilbert

<u>Oregon</u> Station	2186	2604	2606
	2644	2768a	2775
	2781	2788	

Diaphus holti Tåning

<u>Oregon</u> Station	2573
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Diaphus lucidus (Goode and Bean)

<u>Oregon</u> Station	2191	2200	2507
	2566	2576	2671
	2823	2945	

Diaphus macrophus (Parr)

<u>Silver Bay</u> Station	2469	2583
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<u>Combat</u> Station	447
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MYCTOPHIDAE
(contd.)Diaphus mollis (Tåning)

<u>Oregon</u> Station	2464	2507	2570
	2576	2944	2945

Diaphus rafinesque (Cocco)

<u>Oregon</u> Station	2507	2574
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Diaphus taaningi (Norman)

<u>Oregon</u> Station	2378	2396	2944
	2945		

Diaphus thermophilus (Tåning)

<u>Oregon</u> Station	2464	2775
	2583	

Diaphus spp.

<u>Oregon</u> Station	1902	1903	1935
	1942		

<u>Silver Bay</u> Station	211	441	451
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<u>Combat</u> Station	295	296	300
	301	302	303
	306	436	391

Diogenichthys atlanticus Tåning

<u>Oregon</u> Station	2570
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Conichthys coccii (Cocco)

<u>Oregon</u> Station	2396	2574	2945
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Hygophum hygomi (Lütken)

<u>Oregon</u> Station	2944	2945
	2584	

Hygophum macrochir (Günther)

<u>Oregon</u> Station	2191	2570	2573
	2766b	2784	2795

Hygophum reinhardtii (Lütken)

<u>Oregon</u> Station	2191	2945
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Lampanectes ater (Tåning)

<u>Oregon</u> Station	2817	2823	2944
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Lampanectes cuprarius Tåning

<u>Oregon</u> Station	2507
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Lampanectes festivus Tåning

<u>Oregon</u> Station	2191
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Lampanectes guentheri Goode and Bean

<u>Combat</u> Station	436
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Lampanectes lineatus Tåning

<u>Oregon</u> Station	2576	2823	2944
	2945		

Lampanectes macropterus (Brauer)

<u>Oregon</u> Station	2191
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Lampanectes sanguineus Tåning

<u>Combat</u> Station	296
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Lampanectes supralateralis Parr

<u>Combat</u> Station	197	301
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MYCTOPHIDAE
(contd.)

<i>Lampanyctus</i> sp.			
<u>Oregon</u> Station	2945		
<u>Silver Bay</u> Station	446		
<u>Combat</u> Station	295	302	
<i>Lepidophanes guntheri</i> (Goode and Bean)			
<u>Oregon</u> Station	2191	2507	2508
	2573	2768a	2944
	2945		
<u>Silver Bay</u> Station	1195		
<i>Lepidophanes pyrsobolus</i> (Alcock)			
<u>Oregon</u> Station	2191	2570	
<i>Lepidophanes supralateralis</i> (Parr)			
<u>Oregon</u> Station	2464	2507	2570
	2923	2924	
<i>Lepidophanes</i> sp.			
<u>Oregon</u> Station	1918	1924	1933
<i>lobianchia gemellari</i> (Cocco)			
<u>Oregon</u> Station	2201	2570	
<i>Myctophum affine</i> (Lütken)			
<u>Oregon</u> Station	1128	1183	1356
	1365	1370	1372
	1374	1591	1593
	1599	1602	1606
	1824	2571	2782a
	2784	2944	
<u>Silver Bay</u> Station	2469		
<u>Combat</u> Station	287	443	
<i>Myctophum asperum</i> Richardson			
<u>Oregon</u> Station	1605	2569	
<u>Combat</u> Station	287		
<i>Myctophum nitidulum</i> Garman			
<u>Oregon</u> Station	1133	1365	1370
	2763	2782a	2784
	2789	2944	2945
<u>Silver Bay</u> Station	447		
<u>Combat</u> Station	287		
<i>Myctophum obtusirostris</i> Tåning			
<u>Oregon</u> Station	1602	2774	
<u>Silver Bay</u> Station	1195		
<i>Myctophum rufinum</i> (Tåning)			
<u>Oregon</u> Station	1605	2191	
<i>Myctophum selenops</i> (Tåning)			
<u>Oregon</u> Station	1903	1921	
<u>Combat</u> Station	237	445	446
<i>Myctophum</i> sp.			
<u>Oregon</u> Station	1572		
<i>Neoscopelus macrolepidotus</i> Johnson			
<u>Oregon</u> Station	1418	1917	
<u>Silver Bay</u> Station	2421	2475	2483
<u>Combat</u> Station	450		
<i>Notoscopelus caudispinosus</i> (Johnson)			
<u>Oregon</u> Station	2191	2508	2945
<i>Notoscopelus resplendens</i> (Richardson)			
<u>Oregon</u> Station	2191	2570	2573
	2577	2945	

OMOSUDIDAE

Omosudis lowei ("Gunther")

<u>Oregon</u> Station	1370		
<u>Combat</u> Station	295		
<u>Oregon</u> Station	1430	1431	1432
	1434	1435	1436
	1437	1438	1440
	1473	1474	1475
	1476	1481	1482
	1484	1486	1490
	1592	1588	1590
	1594	1596	1598
	1609	1612	1617
	1619	1622	1626
	1862	1896	1897
	1898	1900	2765
	2768		

ALEPISAURIDAE

Alepisaurus ferox Lowe

<u>Oregon</u> Station	1430	1431	1432
	1434	1435	1436
	1437	1438	1440
	1473	1474	1475
	1476	1481	1482
	1484	1486	1490
	1592	1588	1590
	1594	1596	1598
	1609	1612	1617
	1619	1622	1626
	1862	1896	1897
	1898	1900	2765
	2768		

CETOMIMIDAE

Cetomimus gilli Goode and Bean

<u>Oregon</u> Station	2823		
<u>Cetosoma regani</u>			

ATELEOPIDAE

Limia antillarum Rivero

<u>Oregon</u> Station	1442	1445	1567
	1568	1569	1570
	1573	1574	1872
	1942	1965	1969
<u>Combat</u> Station	85	300	436
	442	453	

Limia loppei Roule

<u>Oregon</u> Station	635		
<i>Ipoops murrayi</i> Gunther			

Oregon Station 2820 2821

BELONIDAE

Abelennes hilans (Valenciennes)

<u>Oregon</u> Station	1183	1602	1605
	1608	cruise	(surface)

Strongylura acus (Lacépède)

<u>Oregon</u> Station	1605		
<i>Strongylura ardeola</i> (Cuvier and Valenciennes)			

<u>Oregon</u> Station	1600		
<i>Strongylura</i> sp.			

<u>Oregon</u> Station	1665		
<i>Euleptorhamphus viridis</i> (Poey)			

Oregon Station 1174 1183 1863

<u>Silver Bay</u> Station	215		
<u>Combat</u> Station	328		

Hemiramphus balao Le Sueur

<u>Combat</u> Station	328	343	443
	12/5 and 6/56		

Hemiramphus brasiliensis (Linnaeus)

<u>Oregon</u> Station	1174	1183	1600
	1602	1605	

<u>Combat</u> Station	68	443	12/5
	and 6/56		

Hyporhamphus unifasciatus (Ranzani)

<u>Oregon</u> Station	1607		
<u>Silver Bay</u> Station	2139		

EXOCETIDAE	<i>Cypselurus combatus</i> (Mitchill)	MACROURIDAE	<i>Bathygadus favosus</i> Goode and Bean
	Oregon Station surface		Oregon Station 1955
	<i>Cypselurus cyanopterus</i> (Valenciennes)		<i>Bathygadus macroops</i> Goode and Bean
	Oregon Station 1174 1183 1234		Oregon Station 1450 1907
	1372 1602 1605		<i>Bathygadus vaillanti</i> (of Parr) or Roule and Angel?
	<i>Cypselurus exsiliens</i> (Linnaeus)		Oregon Station 1907 1955
	Oregon Station 1183		<i>Bathygadus</i> sp.
	<i>Cypselurus furcatus</i> (Mitchill)		Oregon Station 2773
	Oregon Station 1438 1477 1587		Silver Bay Station 1197
	2672 1183		<i>Coelorhynchus caribbaeus</i> (Goode and Bean)
	Combat Station 82		Oregon Station 1926 2005 2652
	<i>Cypselurus heterurus</i> (Rafinesque)		Silver Bay Station 3095
	Oregon Station 1183 1489 1587		<i>Coelorhynchus carminatus</i> (Goode)
	1591 1593 1597		Oregon Station 1450 1885 1915
	1598 1600 1602		1917 1919 1922
	1605 2172 2201		1963 2005 2775
	2268 2672		Silver Bay Station 211 212 213
	Silver Bay Station 2172 2201 2268		216 217 223
	<i>Cypselurus lineatus</i> (Cuvier and Valenciennes)		224 225 226
	Oregon Station 1489		227 228 229
	<i>Cypselurus lutkeni</i> (Jordan and Evermann)		230 441 458
	Silver Bay Station 301		Combat Station 186 289 290
	<i>Exocoetus obtusirostris</i> Günther		291 293 296
	Oregon Station 1183 1145 1937		300 312 313
	Silver Bay Station 1792 2139 2172		314 315 322
	2201		323 325 329
	<i>Hirundichthys affinis</i> (Günther)		331 332 430
	Oregon Station 1489 2139 2172		431 435 436
	2857		439 441 459
	Silver Bay Station 396		462 472 473
	<i>Oxyporhamphus micropterus</i> (Valenciennes)		474 483 484
	Oregon Station 1356 1365 1370		Pelican Station 10 13 36
	1589 1591 1593		37 49 77
	<i>Oxyporhamphus micropterus similis</i> (Brunn)		<i>Coelorhynchus</i> spp.
	Oregon Station 1064 1145 1174		Oregon Station 1870 1871 1883
	1183		1903 2285 2777
	<i>Parexocoetus brachypterus</i> (Richardson)		Silver Bay Station 452 2469 2902
	Oregon Station 1174 1234 1370		<i>Gadomus arcuatus</i> (Goode and Bean)
	1372 1489 1583		Oregon Station 1906 1908 1915
	1585 1587 1589		1955
	1591 1623 1894		<i>Gadomus longifilis</i> (Goode and Bean)
	2005 2249 2250		Oregon Station 1906 1909 1910
	2265		1911 1914 1955
	Silver Bay Station 403 2132 2172		Silver Bay Station 445 453
	2201 2268		<i>Gadomus</i> sp.
	<i>Parexocoetus brachypterus hillianus</i> (Richardson)		Silver Bay Station 1197
	Oregon Station 1174 1234 1599		<i>Girellus grenadae</i>
	1600 1602 1605		Oregon Station 1955
	2857		<i>Hymenocephalus cavernosus</i> (Goode and Bean)
	<i>Parexocoetus brachypterus littoralis</i> (Richardson)		Oregon Station 1450 1872 1885
	Silver Bay Station 396		1906 1907 1908
	<i>Prognichthys gibbifrons</i> (Valenciennes)		1909 1910 1911
	Oregon Station 1145 1174 1183		1915 1917 1924
	1365 1370 1372		1945 2005 2088
	1489 1589 1632		
	2857		<i>Silver Bay</i> Station 3095
	Silver Bay Station 2172 2201 2268		<i>Hymenocephalus</i> sp.
	<i>Prognichthys rondeletti</i> (Valenciennes)		Oregon Station 2777
	Oregon Station 1174 1183 1483		<i>Malacocephalus occidentalis</i> Goode and Bean
	1489 1583 1623		Oregon Station 1450 1869 1872
			1883 1887 1988
			Silver Bay Station 212 213 217
			218 224 225
			226 227 471
			1607 1610 1611
			Combat Station 390 395 396
			390 391 394

MACROURIDAE (contd.)		315	317	324	GADIDAE	<i>Gadella maraldi</i> (Risso)	332	436	438	1010	1011	1016		
		441	453	458			1370	1442	1450	1452	1453	1454		
		459	475	476			1460	1502	1506	1509	1516	1517		
		491					1518	1519	1521	1524	1525	1526		
		Pelican Station	11	38			1527	1528	1529	1530	1537	1538		
<i>Malacocephalus laevis</i>		Oregon Station	1903				1539	1540	1548	1550	1562	1567		
<i>Nemumia bairdi</i> (Goode and Bean)		Oregon Station	1954				1573	1574	1579	1580	1872	1915		
		Silver Bay Station	452				1916	1917	2005	2288	2825	3172		
<i>Nerumia hildebrandi</i> Parr		Oregon Station	1450	1906	1907	Silver Bay Station	216							
			1908	1910	1911	Combat Station	281	291	295	300	436			
			1915	1917	1919	Pelican Station	10	38						
			1925	1955	2009	<i>Gadella</i> sp.								
			2010			Oregon Station	383	795	1423	1565	1902	1903		
<i>Silver Bay</i> Station		445	449	453			1907	1908	1911	1913	1915	1917		
<i>Combat</i> Station		312	313				1920	1964	2005					
<i>Pelican</i> Station		11	27	40	<i>Laemocoma barbatulum</i> Goode and Bean									
<i>Oxygadus occ</i> (Goode and Bean)		Silver Bay Station	445	452	Oregon Station	2009								
<i>Oxygadus</i> sp.		Silver Bay Station	445		Silver Bay Station	211	216	218	223	227	445	1610		
		Pelican Station	27		Combat Station	140	145	183	218	224	285			
<i>Squalogadus intermedius</i> Grey		Oregon Station	1426			291	295	295	296	301	306			
		Silver Bay Station	445			312	313	314	317	319	329			
<i>Steindachneria argentea</i> (Goode and Bean)		Oregon Station	848	1550	1565		430	435	436	439	442	459		
			1568	1925	1964		460	462	472	473	475			
			1903	2203	2652									
			2780	2782	2799	Pelican Station	10	11	13	27	34	36		
						40	49							
<i>Trachonurus sulcatus</i> (Goode and Bean)		Oregon Station	1197	1907	1911	<i>Laemonema</i> sp.								
		Silver Bay Station	1197		Oregon Station	1010	1016							
<i>Ventrifossa atlantica</i> Parr		Oregon Station	1909	1911	Pelican Station	29	77	79						
BRECHACEROTIDAE		Bregmacerous atlanticus Goode and Bean	Oregon Station	1949	1952	Physiculus fulvus	Bean							
			Combat Station	291		Silver Bay Station	2902	2479						
<i>Bregmacerous</i> sp.		Oregon Station	2191		Physiculus	sp.								
GADIDAE		<i>Bromiculus imberbis</i> Vaillant	Silver Bay Station	3076	Oregon Station	1986								
		<i>Enchelyopus cimbricus</i> (Linnaeus)	Silver Bay Station	217	219	Urophycis chesteri	Goode and Bean							
			224	458	479	Oregon Station	1450							
			1552	1606	1607	Silver Bay Station	212	217						
			1611			Combat Station	172	293	312	313	315			
		<i>Combat</i> Station	289	300	314	Pelican Station	10	27						
			325	435	471	<i>Urophycis flavidus</i> (Bean and Dresel)								
		<i>Pelican</i> Station	36	38	61	Oregon Station	864	1008	1088	1494	1495	1496		
							1497	1499	1500	1784				
						Silver Bay Station	1226	1227						
						Combat Station	172	183	289	317	374			
						Pelican Station	2	3	16					

Urophycis regius (Walbaum)

<u>Silver Bay</u> Station	211	212	213
	214	222	223
	224	225	226
	227	228	229
	230	457	458
	459	460	1269
	1275	1279	1282
	1283	1342	1498
	1636	1694	2064
	2067	2068	2498
	2539		

Combat Station

	284	285	288
	289	290	291
	296	313	314
	315	325	330
	332	333	334
	357	372	383
	410	433	435
	438	439	441
	442	448	453
	454	458	462
	471	475	484
	489	491	530

Pelican Station

	36	40
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Urophycis tenuis (Mitchill)*Silver Bay* Station

3075

Pelican Station

41

Merluccius albidus (Mitchill)*Oregon* Station

	1026	1441	1442
	1445	1448	1450
	1451	1452	1453
	1454	1455	1456
	1460	1501	1502
	1504	1538	1539
	1540	1541	1542
	1543	1545	1546
	1547	1548	1550
	1551	1556	1562
	1563	1564	1565
	1567	1568	1569
	1570	1573	1574
	1576	1577	1578
	1579	1580	1581
	1962	1963	1964
	1965	1966	1968
	1971	1985	

Merluccius albidus (Mitchill)*Silver Bay* Station

	211	212	213
	214	216	217
	220	221	224
	225	226	227
	228	229	230
	231	232	233
	234	235	249
	442	452	457
	463	468	469
	470	486	1177
	1178	1179	1180
	1181	1185	1190
	1192	1193	1194
	1196	1198	1199
	1203	1282	1551
	1604	1605	1607
	1609	1610	1611
	1612	1619	1739
	2062	2063	2064
	2065	2068	2069
	2070	2073	2074
	2075	2076	2173
	2420	2421	2458

Combat Station

	177	286	288
	289	293	300
	301	303	312
	314	314	316
	319	323	324
	325	332	357
	410	436	
	435	438	441
	458	462	473
	474	475	483
	484	491	

Pelican Station

	9	11	22
	37	77	

LAMPRIDIDAE

Lampris regius (Bonnaterre)*Oregon* Station

1582

Ancylopsetta cycloidea Tyler*Oregon* Station

1894 1904 1987

2021 2221 2231

2232 2286 2290

Ancylopsetta dilecta (Goode and Bean)*Oregon* Station

602 945 957

2647

Combat Station

384

*Ancylopsetta kumpare**Oregon* Station

2017 2051 2276

2310 2329

Ancylopsetta quadrocellata Gill*Oregon* Station

2862 2885 2890

2898 2909 2910

2926 2933

Bothus lunatus (Linnaeus)*Silver Bay* Station

14 41 656

1210 1212 1213

1226 1227 1228

1251 2137 1236

1240 1241 1247

1250 1259 1270

1273 1286 1348

1353 1385 1390

1391 1393 1498

1523 1553 1726

1754 1900 1922

2158 2252 2578

2579 2593 2898

Bothus ocellatus (Agassiz)*Oregon* Station

892 963 1004

1982 1935 1938

1996 2000 2018

2019 2035 2036

2044 2045 2047

2049 2054 2071

2091 2232 2241

2246 2249 2301

2613 2615 2616

2626 2630

Bothus sp.*Silver Bay* Station

117 576 712

1219 1220 1233

1234 1235 1237

1507 1523 1536

1537 1566 1622

1655 1864 1867

2080 2158 2288

2354 2357 2407

2410 2411 2438

2439 2440 2441

2494 2495 2496

2507 2511 2512

2525 2545

Combat Station

353 516 574

George M. Bowers Station

30

Chascangsetta lugubris Alcock*Oregon* Station

1537 1541 1545

1870 1885 2005

2007 2008 2025

2080 2083

Silver Bay Station

478 2457

Combat Station

420

BOTHIDAE
(contd.)*Citharichthys arctifrons* Goode

<u>Silver Bay</u> Station	211	212	213
	214	216	217
	220	222	223
	224	225	226
	227	228	438
	458	459	466
	469	470	471
	1552	1670	

<u>Combat</u> Station	286	300	458
	475	485	490
	491	493	494

Citharichthys cornutus (Günther)

<u>Oregon</u> Station	1025	1341	1867
	1987	2066	2080
	2622		

<u>Silver Bay</u> Station	458	459	2429
	2430	2464	2467
	2470		

<u>Combat</u> Station	453
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Citharichthys dinoceros (Goode and Bean)

<u>Oregon</u> Station	236	1026	1345
	2464	2468	2470

<u>Combat</u> Station	236
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Citharichthys macrops Dresel

<u>Oregon</u> Station	998
	128
	152
	1238
	1285
	1307
	1338
	1361
	1529
	1553
	1566
	1722
	2183

<u>Combat</u> Station	516	523	524
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Citharichthys spilopterus Günther

<u>Oregon</u> Station	2038
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Citharichthys sp.

<u>Silver Bay</u> Station	1671	2445	2480
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Cyclopetetta chittendeni Bean

<u>Oregon</u> Station	2074	2076	2208
	2225	2226	2231
	2238	2310	2898

<u>Silver Bay</u> Station	3	5	12
	281		

Cyclopetetta fimbriata (Goode and Bean)

<u>Oregon</u> Station	1937	1938	2248
	2613	2626	2631

<u>Silver Bay</u> Station	374	712	1237
	1239	1268	1345
	1390	1536	1557
	1568	1734	1811
	2057	2134	2285
	2287	2395	2410
	2439	2470	2507
	2523	2525	2591
	2593	2825	2946

Engyophrys sentus Ginsburg

<u>Oregon</u> Station	1088	2019	2032
	2045	2051	2075
	2249	2250	2251
	2298	2301	2304

<u>Silver Bay</u> Station	2382	2383	2407
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BOTHIDAE
(contd.)*Engyophrys* sp.

<u>Oregon</u> Station	2032	2248	2250
	2301		

Etropus crossotus Jordan and Gilbert

<u>Oregon</u> Station	2310
	241
	1286
	1290

Etropus microstomus (Gilli)

<u>Silver Bay</u> Station	1239	1240	1553
	2721	2892	

Etropus rimosus Goode and Bean

<u>Silver Bay</u> Station	1227	1228	1238
	1263	1264	1309
	1522	1523	1529
	1553	1566	1733
	2552a	2578	2806

Gastropsetta frontalis Bean

<u>Silver Bay</u> Station	1342	2361	2389
	2392	2398	2409

Sippoglossina oblonga (Mitchill)

<u>Silver Bay</u> Station	212	214	216
	217	218	223
	463	467	469
	471	486	1279
	1551	1552	1604
	1608	1635	1670
	2190	3082	

<u>Combat</u> Station	401	419	430
	435	441	453
	458	459	471
	490	491	493
	494		

<u>Pelican</u> Station	57
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Monolene antillarum Norman

<u>Oregon</u> Station	1026	1189	1981
	1983	1985	1989
	2203	2285	

<u>Silver Bay</u> Station	2420	3082	3085
	3095		

<u>Combat</u> Station	216	300	319
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<u>Pelican</u> Station	13
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Monolene atrimana

<u>Oregon</u> Station	1871	1889	1943
	1945	2081	2082
	2083	2320	

Monolene sessilicauda Goode

<u>Oregon</u> Station	603	696	2799
	1201	1671	

<u>Pelican</u> Station	11
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Monolene megalops Woods

<u>Oregon</u> Station	1879	1867	1889
	2603	2653	2663

Paralichthys alboguttatus Jordan and Gilbert

<u>Oregon</u> Station	1495	1498	1531
	1533	1535	1536
	1560	1675	1679
	1680	1684	1694
	1695	1700	1701
	1702	1703	1704
	1708	1709	1714
	1716	1717	1726

BOTHIDAE (contd.)	1729 1763 1778	1755 1770 1779	1760 1776		
Silver Bay Station	153 656 2148	154 1508 245	245 1531		
<u>Paralichthys dentatus</u> (Linnaeus)					
Silver Bay Station	1212 1231 1252 1263 1273 1348 1385 1484 1487 1533 1733 2213	1226 1238 1258 1264 1286 1375 1390 1485 1508 1553 2134 2214	1227 1241 1262 1265 1329 1376 1483 1486 1523 1664 2165 2525		
Combat Station	521	523	524		
<u>Paralichthys lethostigma</u> Jordan and Gilbert					
Oregon Station	1751 1765 2078	1765 1771 2889	1756 1782 2890		
Silver Bay Station	110 1727	243 1728	244 2945		
Pelican Station	1				
	105 miles North of Logger Head Key				
<u>Paralichthys squamilentus</u> Jordan and Gilbert					
Oregon Station	1510 1557 1630 3173	1514 1558 2203 3173	1533 1561 2547		
Silver Bay Station	51 146 157 179 294 312 460	106 155 175 222 300 316 722	107 156 176 273 301 330		
Pelican Station	4	6			
<u>Poecilopsetta albomarginata</u>					
Oregon Station	1870 1883 1921 1986 2024 2026 2080 2633 2659 2670	1971 1885 1981 2005 2026 2066 2285 2634 2651 2658	1882 1889 1985 2023 2066 2066 2286 2639 2658		
Silver Bay Station	1011 3124 1431 1885 2008	1016 1340 1537 1921 2080	1180 1370 1761 1925 2285		
<u>Scopthalmus aquosus</u> (Mitchill)					
Silver Bay Station	1201	2418			
<u>Syacium gunteri</u> Ginsburg					
Oregon Station	866 1494 2613	1004 2016 2631	1068 2310		
Silver Bay Station	1553	2438	2441		
<u>Syacium micrurum</u> Ranzani					
Oregon Station	2000 2241	2036 2607	2232 2631		
Silver Bay Station	461 2666	2395 2806	2438 2945		
ACHIRIDAE					
<u>Achirus inscriptus</u> Gosse					
Achirus fasciatus					
Silver Bay Station	3 244	41 648	243		
Silver Bay Station	2467	2470	2480		
<u>Gymnachirus texae</u>					
Oregon Station	1494	1499	1500		
<u>Gymnachirus williamsoni</u> Günther					
Oregon Station	1004				
<u>Trinectes inscriptus</u> (Gosse)					
Oregon Station	2603 2653	2648 2654	2649 2663		
Silver Bay Station	2467	2470	2471		
<u>Trinectes maculatus</u> (Mitchill)					
Oregon Station	3 1680 1687 1703	1654 1685 1690 2215	1675 1686 1694 2876		
<u>Trinectes paulistanus</u>					
Oregon Station	2066 2212	2067 2226	2068 2215		
<u>Syphurus diomedianus</u> (Goode and Bean)					
Silver Bay Station	1554 2382	1557 2383	2349 2407		
Combat Station	353				
<u>Syphurus marginatus</u> (Goode and Bean)					
Silver Bay Station	469	1611			
<u>Syphurus plagiusa</u> (Linnaeus)					
Oregon Station	944				
Silver Bay Station	1263 1288 1923	1264 1553 2214	1285 1637 2441		
<u>Syphurus piger</u> (Goode and Bean)					
Silver Bay Station	2464 2477	2468 2479	2470		
<u>Syacium papillosum</u> (Linnaeus)					
Oregon Station	963 1559 2044	1021 2019 2208	1088 2035 2301		
Silver Bay Station	8 1209 1219 1237 1247 1262 1287 1342 1531 1733 2382 2408 2545 2591 2682 2924	152 1212 1220 1238 1257 1268 1279 1341 1533 1622 1734 2381 2390 2410 2496 2586 2593 2692 2806	395 1218 1233 1239 1259 1270 1341 1522 1523 1622 1734 2381 2395 2410 2496 2587 2634 2806		
Combat Station	353 498 523	480 506 524	497 517 530		
George M. Bowers Station	30				
Syacium sp.	2001 2632	2075	2076		
<u>Trichopsetta ventralis</u> (Goode and Bean)					
Oregon Station	945 1987	1983 2286	1986		
Silver Bay Station	2445	2467	2471		
<u>Trichopsetta</u> sp.					
Oregon Station	2643 2663	2649	2653		

CYNOGLOSSIDAE (contd.)	<i>Syphurus urospilus</i> Ginsburg	HOLOCENTRIDAE	<i>Holocentrus ascensionis</i> (Osbeck)
	<u>Silver Bay</u> Station 1622 2441		<u>Oregon</u> Station 1616 1623 2054 2062 2065 2071 2086 2087 2244 2245 2249 2261 2262 2285 2308 2315 2607 2617 2618
BERYCIDAE	<i>Beryx splendens</i> Lowe		
	<u>Oregon</u> Station 1427		
POLYMYXIIDAE	<i>Polymixia lowei</i> Günther		
	<u>Oregon</u> Station 1026 1340 1343 1501 1502 1504 1508 1509 1513 1514 1516 1517 1518 1519 1521 1524 1525 1527 1528 1529 1530 1537 1538 1539 1540 1542 1543 1546 1548 1550 1556 1562 1563 1578 1606 1784 1668 1869 1870 1883 1903 1904 1920 1922 1923 1924 1927 1928 1931 1932 1933 1942 1945 1948 1952 1964 1983 1984 2004 2005 2008 2203 2780 2782 3172		<u>Silver Bay</u> Station 4 6 7 53 180 185 187 190 191 192 194 195 198 200 201 202 203 205 206 207 208 260 261 266 267 276 279 281 365 438 1032 1101 1120 2451
	<u>Silver Bay</u> Station 129 216 217 222 232 249 250 317 441 442 487 495 1188 1189 1190 1192 1193 1198 1282 1283 1617 1740 1753 2447 2458 2467 2468 2469 2477		<u>Combat</u> Station 497
	<u>Combat</u> Station 235 291 303 310 330 357 436 438 442 446 453 475 490 491		<i>Holocentrus bullisi</i> Woods <u>Oregon</u> Station 1004 1072 1516 1702 1795 1875 2607 2613 2617 2618 2628
	<i>Polymixia mobilis</i> Lowe		<u>Silver Bay</u> Station 395 1500 1504 1506 1672 2172 2201 2268
	<u>Oregon</u> Station 2008 2639		<u>Combat</u> Station 353 426 443
	<u>Silver Bay</u> Station 2483		<i>Holocentrus coruscus</i> (Poey) <u>Oregon</u> Serrana Bank
DIRETMIDAE	<i>Diretmus argenteus</i> Johnson		<i>Holocentrus rufus</i> (Walbaum) <u>Oregon</u> Station 2617 (larvae) Quinto Sueno Bank <u>Silver Bay</u> Station 438 501 1534 2451
	<u>Oregon</u> Station 1887 1921 1945 1954 2006 2672		<i>Holocentrus vexillarius</i> (Poey) <u>Oregon</u> Serrana Bank <u>Silver Bay</u> Station 438
	<u>Combat</u> Station 312		<i>Myripristis jacobus</i> Cuvier <u>Oregon</u> Station 1958 1986 2045 2054 2065 2081 2087 2249 2256 2261 2262 2263 2273 2308 2313 2340 2607 2617 2619
TRACHICHTHYIDAE	<i>Gephyroberyx darwini</i> (Johnson)		<u>Silver Bay</u> Station 2479 2480 <u>Combat</u> Station 353
	<u>Oregon</u> Station 1904 1925 2654 2655 2663		<i>Ostichthys trachypomus</i> (Günther) <u>Oregon</u> Station 1065 1343 1345 1367 1370 1372 1876 1886 2290 2648 2654 2655 <u>Silver Bay</u> Station 1505 <u>Combat</u> Station 236 238
	<i>Gephyroberyx</i> sp.		<i>Plectrypops retrospinis</i> (Guichenot) <u>Silver Bay</u> Station 1393
	<u>Silver Bay</u> Station 2479		<i>Melampphaes branii</i> Günther <u>Oregon</u> Station 2191
	<i>Synoplostethus mediterraneus</i> (Cuvier)		<i>Melampphaes megalops</i> Lütkeo <u>Oregon</u> Station 1425
	<u>Oregon</u> Station 599 1342 1370 1489 1565 1569 1871 1883 1884 1885 1904 1949 1963 1964 1965 1968 1969 1984 2351 2644 2780 2782		<u>Melampphaes</u> sp. <u>Oregon</u> Station 2574 2944 2945
	<u>Silver Bay</u> Station 442 445 451 452 1607 1608 1609 1610 2069 2070 2076 2483		<i>Scopelogadus mitolepis</i> (Odinter) <u>Oregon</u> Station 2576
	<u>Combat</u> Station 145 301 444		<i>Scopelogadus opistopterus</i> (Parr) <u>Oregon</u> Station 2576
	<u>Pelican</u> Station 29 43		
	<i>Paratrachichthys argyrophanus</i> Woods		
	<u>Oregon</u> Station 2065 2066 2060		
CAULOCEPIDI	<i>Anoplogaster cornuta</i> (Valenciennes)		
	<u>Oregon</u> Station 1370 1606 2191 2823 2942 2944 2945		
	<u>Silver Bay</u> Station 465		

	<u><i>Cyttopsis roscea</i> (Lowe)</u>							
	<u>Oregon Station</u>	1320	1321	1324	SYNGNATHIDAE (contd.)			
		1537	1868	1869	<u><i>Hippocampus erectus</i> Perry</u>			
		1883	1885	1918	<u>Silver Bay Station</u>	1554		
		2636	2639	2651	<u>George M. Bowers Station</u>	235		
	<u>Silver Bay Station</u>	227	2458	2469	<u><i>Hippocampus hudsonius</i> Dekey</u>			
		2475	2482		<u>Oregon Station</u>	1021	1022	
	<u>Combat Station</u>	293	300	314	<u>Silver Bay Station</u>	70	1213	1223
		436				1505	1748	1759
	<u><i>Paracan pacificus</i> Kamohara</u>					1774	1795	2201
	<u>Oregon Station</u>	1342	1868	1870		2666	2769	2947
		1883	1902	2644	<u>Combat Station</u>	321	339	383
		2647	2658			386	427	457
	<u>Silver Bay Station</u>	441	2457		<u>George M. Bowers Station</u>	49	53	
	<u><i>Zenion hololepis</i> (Goode and Bean)</u>				<u><i>Hippocampus reidi</i></u>			
	<u>Oregon Station</u>	1324	1340	1341	<u>Oregon Station</u>	1934	2232	2247
		1342	1343	1500	<u><i>Syngnathus dunckeri</i> Metzelaar</u>			
		1537	1539	1546	<u>Combat Station</u>	448		
		1868	1869	1872	<u><i>Syngnathus elucens</i> Poey</u>			
		1883	1885	1906	<u>Silver Bay Station</u>	2360		
		1915	1921	1923	<u><i>Syngnathus fuscus</i> Storer</u>			
		1984	1989	1991	<u>Silver Bay Station</u>	1290		
		2005	2007	2081	<u><i>Syngnathus louisianae</i> Günther</u>			
		2606	2733	2656	<u>Silver Bay Station</u>	1310	1487	1498
		2639	2644	2647	<u><i>Syngnathus pelagicus</i> Linnaeus</u>			
		2650	2651	2653	<u>Oregon Station</u>	2198		
		2654	2658	2671	<u>Silver Bay Station</u>	442	470	476
	<u>Silver Bay Station</u>	217	441	442	<u>Combat Station</u>	436	438	448
		1189	1190	1191		455	457	459
		1192	1198	2457	<u>474</u>			
	<u>Combat Station</u>	237	238	279	<u><i>Syngnathus springeri</i> Herald</u>			
		319	435	436	<u>Silver Bay Station</u>	1237	1536	1644
		467			<u>Combat Station</u>	1772	2945	
	<u>Pelican Station</u>	10	43	57	<u>George M. Bowers Station</u>	50		
	<u><i>Zenopsis ocellata</i> (Storer)</u>				<u><i>Syngnathus sp.</i></u>			
	<u>Oregon Station</u>	1548	1550	1558	<u>Combat Station</u>	158		
		1862	2799		<u>AULOSTOMIDAE</u>	<u><i>Aulostomus maculatus</i> Valenciennes</u>		
	<u>Silver Bay Station</u>	176	177	459	<u>Silver Bay Station</u>	1506		
		460	1279	1282	<u><i>Fistularia pectinata</i> Lacépède</u>			
		1283	1752	1753	<u>Silver Bay Station</u>	1217	1268	1358
	<u>Combat Station</u>	370	488	489		1500	1504	2409
		490			<u><i>Fistularia tahacaria</i> Linnaeus</u>			
	<u>GRAMMICOLEPIDAE</u>	<u><i>Grammicolepis brachiusculus</i> Poey</u>			<u>Oregon Station</u>	1629	1664	1666
		<u>Oregon Station</u>	2782			1671	1735	1875
		<u>Silver Bay Station</u>	2458	3081		2249	2542	2545
		<u>Combat Station</u>	442			2546		
					<u><i>Silver Bay Station</i></u>	12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>Oregon Station</i></u>	1629	1664	1666
						1671	1735	1875
						2249	2542	2545
						2546		
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u>Silver Bay Station</u>	1506		
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u>Silver Bay Station</u>	1217	1268	1358
						1500	1504	2409
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>Oregon Station</i></u>	1629	1664	1666
						1671	1735	1875
						2249	2542	2545
						2546		
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i>Fistularia tahacaria</i> Linnaeus</u>			
					<u><i>AULOSTOMIDAE</i></u>			
					<u><i>Aulostomus maculatus</i> Valenciennes</u>			
					<u><i>Fistularia pectinata</i> Lacépède</u>			
					<u><i>Silver Bay Station</i></u>			
						12	158	159
						165	352	360
						362	391	728
						837	845	848
						1062	1074	1090
						1210	1217	1257
						1507	2078	2083
						2143	2411	2166
					<u><i</u>			

MACRORHAMPHOSIDAE (contd.)	<u>Combat</u> Station	76	31	376	CYPRIDAE (contd.)	<u>Scomberomorus maculatus</u> (Mitchill)	
	<u>Pelican</u> Station	16				<u>Oregon</u> Station	1661 1799 1121 2123 2151 2193 2360 2405 2407 2408 2411 2415 2420 2449 2463 2494 2500 2549 2550 2551 2561 2565 2564 2588 2600 2695 2761 2848 2849 2869 2873 2877 2878 2884 2885 2902 2903 2967 2971 2972 2974 2984 2989 2990 2991 2995 2996 3003 3004 3007 3015 3022 3027 3039 3103 3141
ATHERINIDAE	<u>Allanetta harringtonensis</u> (Goode)					<u>Silver Bay</u> Station	163 165 166 167 168 169 187 189 190 191 202 204 205 208 210 238 239 240 303 791 843 845 846 848 856 864 891 940 1005 1006 1121 1211 1227 1242 1262 1265 1284 1285 1286 1287 1288 1290 1322 1351 1375 2438
MUGILIDAE	<u>Mugil cephalus</u> Linnaeus					<u>Combat</u> Station	504
	<u>Oregon</u> Station	1489 2150	1625 2588	1723 3027		<u>Scomberomorus regalis</u> (Bloch)	
	<u>Mugil curema</u> Valenciennes					<u>Silver Bay</u> Station	849 850
	<u>Oregon</u> Station	1463 1605	1489 1602			<u>Auxis thazard</u> (Lacepède)	
	<u>Silver Bay</u> Station	215	455			<u>Oregon</u> Station	1602 2477 2488 2526 2745
	<u>Combat</u> Station	287	299	302		<u>Silver Bay</u> Station	1792
	<u>Mugil</u> sp.					<u>Combat</u> Station	287 299 443
	<u>Oregon</u> Station	1616	1665			<u>Euthynnus alletteratus</u> (Rafinesque)	
	<u>Silver Bay</u> Station	2172				<u>Oregon</u> Station	2928
	<u>Pelican</u> Station	20				<u>Silver Bay</u> Station (trolling)	11 19 57
SPHYRAENIDAE	<u>Sphyraena barracuda</u> (Walbaum)					<u>Katsuwonus pelamis</u> (Linnaeus)	
	<u>Oregon</u> Station	1895 2765	1900 2790	2503 2791		<u>Oregon</u> Station	1434 1475 1508 1590 1592 1594 1601 1604 1606 1617 1646 1900 1901 1977 2768 2791 2953
	<u>Silver Bay</u> Station	7 163 189	12 164 191	161 188		<u>Sardina sarda</u> (Bloch)	
	<u>Sphyraena borealis</u> Dekay					<u>Oregon</u> Station	2546
	<u>Oregon</u> Station	2043				<u>Silver Bay</u> Station	1262
	<u>Silver Bay</u> Station	7 1241 1287	1204 1262 1335	1212 1284 1348		<u>Scomber colias</u> (Gmelin)	
	<u>Sphyraena guanachcho</u> Cuvier					<u>Oregon</u> Station	1515 1628 1629 1655 1656 1658 1660 1666 1734 1736 1792 2118 2119 2120 2158 2162 2166 2167 2168 2172 2196 2188 2193 2291 2409 2428 2472 2473 2475 2476 2477 2479 2481 2486 2488 2489 2492 2509 2514 2551 2860 2861 2889 2984 3015 3022 3046 3141
POLYNEMIDAE	<u>Polydactylus octonemus</u> (Girard)					<u>Silver Bay</u> Station	111 134 163 179 209 261 386 398 411 728 802 803 816 847 848 943 974 1120 1150 1157 1231 1248 1257 1268 1273 1291 1391 1396 1400 1542
	<u>Oregon</u> Station	1035 1438 1602 1739 2590 2878 2979 3046	1183 1483 1605 1799 2867 2904 2993 3082	1234 1489 1669 2481 2669 2967 3022			
	<u>Silver Bay</u> Station	9					
	<u>Polydactylus virginicus</u> (Linnaeus)						
	<u>Oregon</u> Station	1477 2033 2049 2073 2224	1863 2037 2051 2208 2310	2032 2058 2057 2213 2325			
ACANTHOCYSTIIDAE	<u>Acanthocybium solandri</u> (Cuvier and Valenciennes)						
	<u>Oregon</u> Station	1475 1610 1617 1622 1862	1601 1612 1619 1626 1846	1609 1615 1621 1846			
CYBIDAE	<u>Scomberomorus cavalla</u> (Cuvier)						
	<u>Oregon</u> Station	2216	2223				
	<u>Silver Bay</u> Station	163 372 1008 1286	169 374 1009 1322	363 949 1211			

SCOMBRIDAE
(contd.)

Combat Station

336

Thunnus alalunga

<u>Oregon</u> Station	1430	1432	1434
	1977	1978	2764
	2765	2766	2769
	2785	2791	

Thunnus albacares

<u>Oregon</u> Station	1430	1431	1432
	1433	1434	1435
	1436	1439	1440
	1468	1469	1471
	1473	1474	1476
	1478	1480	1481
	1482	1486	1488a
	1488b	1490	1491
	1493	1582	1584
	1586	1588	1590
	1592	1594	1595
	1596	1598	1599
	1601	1603	1604
	1606	1609	1610
	1612	1613	1615
	1617	1619	1621
	1622	1626	1845
	1846	1847	1862
	1898	1899	1901
	1975	1976	1977
	1978	2765	2766
	2768	2769	2783
	2785	2786	2790
	2791	2796	

Thunnus atlanticus (Lesson)

<u>Oregon</u> Station	1582	1588	1590
	1592	1598	1601
	1603	1604	1610
	1615	1621	1622
	1624	1845	1898
	1899	1901	1959
	1976	2791	2953

<u>Silver Bay</u> Station (trolling)	11	19	57
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SCOMBRIDAE
(contd.)Thunnus thynnus Storer

<u>Oregon</u> Station	1440	1469	1471
	1473	2791	2796

GEMPYLIDAE

Epinnula orientalis americana Grey

<u>Oregon</u> Station	1462	1502	1505
	1517	1519	1521
	1524	1525	1528
	1557	1562	1572
	1784	1868	1869
	1885	1902	1965
	2012	2083	2203
	2651	2658	

<u>Silver Bay</u> Station	217	443	2458
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<u>Combat</u> Station	446
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Epinnula orientalis orientalis (Gilchrist and Von Bonde)

<u>Oregon</u> Station	2083	2203	2285
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Gempylus serpens Cuvier

<u>Oregon</u> Station	1599	1602	1824
	1195		

Nealotus tripes Johnson

<u>Silver Bay</u> Station	1181
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Nesarchus nasutus Johnson

<u>Oregon</u> Station	1599
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<u>Combat</u> Station	296	316
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Promethichthys prometheus (Cuvier and Valenciennes)

<u>Oregon</u> Station	1963	1964	1968
	1969	2007	2008
	2082	2652	

Ruvettus pretiosus Cocco

<u>Oregon</u> Station	1434	1450	2777
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GEMPYLIDAE
(contd.)

TRICHIURIDAE

Scombrolabrax heterolepis Roule

<u>Oregon</u> Station	2191	3219
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Benthodesmus atlanticus Goode and Bean

<u>Oregon</u> Station	2005	2007	2577
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Benthodesmus simonyi (Steindachner)

<u>Oregon</u> Station	1952
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Benthodesmus sp.

<u>Oregon</u> Station	1872	1944	2005
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Evoxymetopon taeniatus Poey

<u>Oregon</u> Station	1565	1963	1991
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Trichiurus lepturus (Linnaeus)

<u>Oregon</u> Station	1531	1532	1536
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	1631	1654	1661
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	1662	1670	1734
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	1789	1792	2043
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	2094	2095	2096
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	2100	2101	2102
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	2110	2111	2123
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	2125	2130	2140
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	2142	2143	2144
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	2145	2152	2153
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	2154	2193	2215
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	2373	2374	2377
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	2380	2383	2387
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	2402	2417	2418
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	2420	2457	2458
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	2460	2461	2465
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	2472	2473	2476
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	2477	2496	2498
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	2499	2501	2502
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	2503	2504	2505
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	2514	2516	2517
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	2518	2519	2524
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	2526	2527	2531
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	2534	2544	2553
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	2554	2555	2562
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	2563	2564	2590
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	2689	2753	2800
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	2951	2978	2904
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	2933	2984	2993
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	3013	3022	3027
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	3046	3053	3078
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	3095		
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	3	4	5
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	6	9	12
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	44	163	165
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	167	170	178
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	181	182	187
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ISTIOPHORIDAE
(contd.)

1596	1599	160
1610	1612	1615
1617	1619	1621
1622	1626	1645
1846	1862	1976
1976	2764	2767
2768	2791	

STROMATEIDAE
(contd.)

Oregon Station	1430	1432	1435
	1436	1438	1476
	1488a	149 ^c	1594
	1596	1599	1609
	1617	1846	1977
	1979	2768	2783
	2786	2791	

Makaira nigricans Lacep  de

Oregon Station

1174	637	1631
1641	1642	1655
1660	2093	2095
1796	2102	2111
2115	2122	2124
2125	2143	2153
2154	2348	2374
2462	2472	2476
2496	2498	2499
2501	2532	2558
2560	2561	2562
2653	2564	2588
2689	2701	2702
2740	2742	2866
2869	2863	2974
2910	2926	2935
2967	2993	3027
3103	3141	

Tetrapterus boulengeri Rafinesque

Oregon Station	1434	2764	2768
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Silver Bay Station

1	3	6
165	167	168
187	189	238
239	240	241
242	243	244
245	257	266
273	303	330
352	798	846
656	900	1094
1099	1117	1211
1284	1285	1286
1287	1289	1269
1290	1726	2165

XIPHIDAE

Xiphias gladius Linnaeus

Oregon Station	1434	144 ^c	1475
	1562	1594	1610
	1617	1619	1621
	1822		

Silver Bay Station	470	483	2201
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LUVARIDAE

Luvarus imperialis Rafinesque

Combat Station	400		
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Percophis triacanthus (Peck)

Oregon Station

1495	1499	1531
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CORYPHAEINIDAE

Coryphaena equisetis Linnaeus

Oregon Station	1489	1597	1604
	1605		

Silver Bay Station	2132		
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Combat Station	(29° 16'-30° 54' N., 80° 07'-12' W.)		
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Coryphaena hippurus Linnaeus

Oregon Station	1035	1089	1134
	1145	1174	1365
	1367	1370	1372
	1380	1430	1431
	1432	1435	1438
	1474	1480	1590
	1592	1598	1601
	1603	1604	1616
	1617	1625	1862
	1896	1898	1899
	1975	1976	1977
	2766	2766	2792

Silver Bay Station	222	396	447
	470	471	476
	481	483	1217
	2201		

Combat Station	296	299	328
	443		

BRAMIDAE

Collybus drachme Snyder

Oregon Station	2191		
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Oregon Station

1495	1499	1531
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Pterycombus goodei (Jordan)

Oregon Station	1380		
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Combat Station	290		
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Oregon Station

1535	1536	1627
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STROMATEIDAE

Cubiceps melanus Ginsburg

Oregon Station	1537		
Silver Bay Station	216	1279	3081
	3062		
Combat Station	300	459	475
	480	483	484
	491		

Silver Bay Station

3	4	5
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Cubiceps nigriargenteus Ginsburg

Silver Bay Station	179	2173	2724
Combat Station	469		

Silver Bay Station

6	6	12
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Nomeus gronovii (Gmelin)

Oregon Station	1616	1623	
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Silver Bay Station	2733		
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Combat Station	315		
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Silver Bay Station

14	108	154
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Palinurichthys bythites Ginsburg

Oregon Station	1560		
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Peprilus paru (Linnaeus)

Silver Bay Station

155	156	157
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Silver Bay Station

169	176	178
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Silver Bay Station

180	181	182
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Silver Bay Station

184	187	188
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Silver Bay Station

189	190	191
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Silver Bay Station

192	194	195
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Silver Bay Station

199	200	201
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Silver Bay Station

202	203	204
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Silver Bay Station

205	207	208
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Silver Bay Station

209	210	212
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Silver Bay Station

213	217	222
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Silver Bay Station

224	225	238
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Silver Bay Station

239	240	241
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Silver Bay Station

256	257	258
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Silver Bay Station

260	261	266
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Silver Bay Station

276	296	303
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Silver Bay Station

316	330	344
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Silver Bay Station

360	364	458
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Silver Bay Station

459	467	468
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Silver Bay Station

470	711	788
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Silver Bay Station

789	796	800
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Silver Bay Station

802	803	805
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Silver Bay Station

815	816	843
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Silver Bay Station

845	849	940
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STROMATEIDAE
(contd.)

943	1121	1268
1274	1275	1277
1279	1280	1281
1282	1284	1285
1286	1287	1288
1289	1326	1328
1351	1455	1487
1552	1726	1742
1747	1753	1754
2064	2165	2931

Combat Station

96	97	99
167	175	204
341	384	490
491	493	S30

Pelican Station

6	9	25
	34	

George M. Bowers
Station

32

Psenes cyanophrys CuvierOregon Station

1076	1356	1380
1489	1590	2198

Silver Bay Station

442	454	470
471	476	481
2201		

Combat Station

289	290	315
335	448	458
459	462	

Psenes maculatus LütkenSilver Bay Station

401

Psenes regulus PoeyOregon Station

1640

Silver Bay Station

388	744	2379
2409	2411	2458
2439		

Combat Station

164

509

CARANGIDAE

Alectis ciliaris BlochOregon Station

1630

Silver Bay Station

156	189	850
891	943	1094
1101	1263	1284
1285	1508	

Alectis crinitis (Mitchill)Oregon Station

1370	1630	1663
1670	1767	

Silver Bay Station

9	1217	1255
1262	1263	1264
1284	1285	1291
1304	1305	1307
1308	1348	1405
1508	2031	2268

Combat Station

70 (dip net)	328	
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Caranx bartholomaei CuvierOregon Station

1297	1787	
	Tortugas, Florida	

Silver Bay Station

227	461	471
476	1209	1254
1285	1323	2182
2268		

Combat Station

284	296	310
315	451	459

Caranx crysos (Mitchill)Oregon Station

1076	1119	1145
1174	1183	1307
1313	1356	1363
1365	1367	1370
1372	1374	1380
1582	1585	1586
1587	1589	1590
1591	1593	1600
1835	2198	2634
2857		

Silver Bay Station

238	460	470
471	476	481
919	1211	1220
1231	1239	1242
1243	1262	1276
1282	1284	1286
1288	1290	1322
1348	1349	1373
2031	217	2193
2201	226	

CARANGIDAE
(contd.)Combat Station

70 (dip net)	82	
326	328	336
337	339	343
436	438	443
457	448	458
485		

Caranx hippos (Linnaeus)Oregon Station

1068	1070	1072
1074	1089	1134
1145	1356	1363
1365	1367	1372
1380	1589	1591
1593	1614	1831
1832	1835	2182
2875		

Silver Bay Station

158	238	240
243	365	460
470	471	476
483	1285	1286
1287	1294	2268

Caranx latus AgassizOregon Station

1145	1374	1380
1585	1589	1590
1591	1593	

Silver Bay Station

362		
448		
448	457	459
at anchorage, Port		
Canaveral, Florida		
1293	1297	1298
1313	1380	1582
2196	2198	2610
2613		
152	442	454
460	461	470
471	476	481
1217	2268	

Caranx ruber (Bloch)Oregon Station

1293	1297	1298
1313	1380	1582
2196	2198	2610
2613		
152	442	454
460	461	470
471	476	481
1217	2268	
70 (dip net)	82	
290	295	315
316	326	328
336	337	343
436	438	448
458	459	462
474	485	490
15 miles South of		
Mobile Bay		

Chloroscombrus chrysurus (Linnaeus)Oregon Station

1174	1183	1372
1374	1582	1593
2018	2020	2035
2043	2047	2048
2100	2118	2121
2131	2137	2343
2379	2381	2462
2468	2469	2531
2558	2559	2560
2563	2564	2676
2689	2694	2740
2742	2851	2875
2878	2898	2904
2910	2967	2993
3022	3027	3109
3124	3141	3149

Silver Bay Station

166	168	169
238	239	240
241	242	243
244	245	344
350	351	352
362	373	374
845	846	847
848	849	864
880	891	900
914	943	1117
1120	1121	1211
2439		

Decapterus macarellus (Cuvier)Silver Bay Station

1253

Decapterus punctatus (Agassiz)Oregon Station

1438	1483	1591
1593	1602	1616
1628	1629	1630
1636	1639	1640
1642	1651	1652

CARANGIDAE
(contd.)

1725	1734	1736
1786	1788	1790
1791	1792	1802
1803	1866	1997
2119	2120	2121
2136	2137	2160
2167	2177	2178
1279	2183	2193
2244	2375	2379
2380	2381	2382
2386	2402	2448
2459	2463	2467
2469	2472	2492
2493	2496	2497
2501	2502	2503
2504	2505	2514
2517	2518	2521
2522	2523	2525
2526	2527	2531
2532	2533	2535
2536	2543	2545
2546	2553	2558
2559	2741	2800
2860	2861	2890
2910	2926	2928
2933	2979	3000
3013	3015	3022
3039	3053	3056
3078	3103	3109
3114	3124	3141
<u>Silver Bay Station</u>	3	5
	6	9
	12	108
	109	111
	152	153
	162	163
	175	176
	179	180
	182	184
	188	189
	191	194
	200	202
	205	258
	261	263
	267	273
	276	281
	311	312
	340	350
	352	353
	381	386
	395	398
	413	488
	709	713
	716	719
	726	727
	774	788
	800	802
	805	815
	837	841
	843	846
	849	850
	664	880
	900	914
	940	943
	974	1038
	1090	1120
	1150	1157
	1204	1208
	1210	1214
	1226	1228
	1231	1236
	1242	1244
	1251	1252
	1257	1260
	1262	1266
	1273	1287
	1295	1302
	1309	1320
	1483	1484
	1501	1507
	1537	1545
	1664	1672
	1742	1751
	2083	2087
	2389	2438
	2537	2538
<u>Combat Station</u>	67	158
	302	333
	339	492
	509	496
<u>Pelican Station</u>	13	
<u>Elagatis bipinnulatus</u> (Quoy and Gaimard)		
<u>Oregon Station</u>	1899	2728
	150 miles South of	2786
	Mobile Bay	
<u>Silver Bay Station</u>	2172	2201
<u>Combat Station</u>	caught trolling	7-25-57

CARANGIDAE
(contd.)

<u>Hemicarang amblyrhynchus</u> (Cuvier)			
<u>Oregon Station</u>	1593	2875	
<u>Oligoplites saurus</u> (Bloch and Schneider)			
<u>Oregon Station</u>	1805	2600	2726
2869			
<u>Selar crumenophthalmus</u> (Bloch)			
<u>Oregon Station</u>	1066	1119	1156
	1365	1370	1372
	1374	1380	1583
	1589	1591	1593
	1616	1792	1866
	2015	2118	2119
	2268	2274	2343
	2467	2545	2546
	2553	2689	2694
	2704	2741	3109
<u>Silver Bay Station</u>	6	7	864
	1071	1160	1225
	1242	1297	2172
<u>Combat Station</u>	70 (dip net)	82	
	291	328	336
	337	343	443
	448	490	492
<u>George M. Bowers</u>			
<u>Barracuda Key</u>			
<u>Selene vomer</u> Linnaeus			
<u>Oregon Station</u>	1669	2061	2101
	2558	2590	2727
	2851	3022	
<u>Silver Bay Station</u>	8	110	150
	163	165	166
	167	181	182
	185	189	240
	244	258	262
	304	351	352
	360	362	370
	374	843	845
	848	849	891
	940	943	970
	1008	1061	1121
	1211	1285	1286
	1288	1308	1323
	1373	1375	1376
<u>Combat Station</u>	504		
<u>Pelican Station</u>	3		
<u>Seriola dumerili</u> Risso			
<u>Oregon Station</u>	1512	1591	1593
	1666	1667	1670
	1797	1798	1799
<u>Silver Bay Station</u>	7	108	166
	191	192	222
	1155	1266	1270
	2078		
<u>Combat Station</u>	295	296	315
	336	(32° 23' N.,	
		78° 57' W.)	
<u>Seriola falcata</u> Valenciennes			
<u>Silver Bay Station</u>	1218	1271	2201
<u>Combat Station</u>	70 (dip net)	295	
	457	490	
<u>Seriola fasciata</u> (Bloch)			
<u>Oregon Station</u>	1585	1587	
<u>Combat Station</u>	295	296	315
<u>Seriola lalandi</u> Cuvier and Valenciennes			
<u>Silver Bay Station</u>	193	846	1211
<u>Seriola zonata</u> (Mitchill)			
<u>Silver Bay Station</u>	388	403	1210
	1211	1251	1262
	1338	1348	1357
	1364	1372	1390
	2157	2191	
<u>Combat Station</u>	296	315	
<u>Trachinotus carolinus</u> (Linnaeus)			
<u>Oregon Station</u>	1658	1666	1734
	2270	2588	2687
	2727	2877	2885
	2971	2972	2991
	2993		
<u>Silver Bay Station</u>	238	296	891
	1285	1286	

Trachinotus cayennensis Cuvier and Valenciennes

Oregon Station 2214 2225

Trachinotus falcatus (Linnaeus)

Tortugas, Florida

Trachurus lathami Nichols

Oregon Station	866	1438	1483
	1495	1496	1531
	1533	1534	1589
	1591	1630	1635
	1654	1784	1787
	2026	2111	2117
	2119	2120	2121
	2122	2135	2137
	2244	2536	2543
	2600	2740	

Silver Bay Station

	1	5	9
	12	161	178
	179	260	281
	320	322	340
	344	350	373
	378	393	805
	816	856	864
	880	891	974
	1005	1006	1007
	1008	1038	1231
	1261	1266	1267
	1268	2111	2192

Combat Station

	70 (dip net)	315
	320	333
	376	378

Trachurus trachurus (Linnaeus)

Oregon Station 2014

Womer setapinnis (Mitchill)

Oregon Station	1374	1628	1799
	1940	2039	2052
	2111	2126	2142
	2375	2381	2383
	2393	2407	2411
	2417	2418	2422
	2423	2425	2457
	2462	2543	2546
	2558	2560	2561
	2676	2689	2694
	2704	2741	2861
	2870	2875	2898
	2926	2933	2945
	2979	2984	2993
	3015	3027	3039
	3095	3141	3149

Silver Bay Station

	3	7	8
	9	10	166
	190	191	192
	202	204	206
	207	208	245
	261	267	350
	353	362	373
	799	800	846
	850	856	864
	880	891	943
	1150	1157	1211
	1262	1285	1286
	1288	1328	1396

Pomatomus saltatrix (Linnaeus)

Oregon Station	1671	1804	1805
	2050	2115	2391
	2408	2413	2697
	2731	2873	2964
	2995	3082	3141

Silver Bay Station

	163	165	166
	168	169	201
	238	239	846
	1211	1212	1213
	1249	1251	1262
	1284	1285	1286
	1287	1288	1289
	1290	1313	1322
	1351	1397	1402
	1562	2165	2187
	2193	2214	

Combat Station

505 506

Rachycentron canadus (Linnaeus)

Oregon Station	1651	1656	1666
	1735	1785	2023
	2194	2439	3109

Silver Bay Station

	14	167	919
	1160	1265	1287
	1288	1364	1538
	2083		

Bathyclupea argentea Goode and Bean

Oregon Station	1872	1886	1889
	1906	1908	1909
	1915	1917	1918
	1933	1945	1952
	1954	2009	2352
	2635	2777	

Silver Bay Station	2458	2483
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Apogon alutus (Jordan and Gilbert)

Oregon Station	2263	2649
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Silver Bay Station	53
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Apogon aurolineatus (Mowbray)

Oregon Station	998	1937	1938
	2626		

Apogon binotatus (Poey)

Oregon Station	2619	2662
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Apogon conklini (Silvester)

Silver Bay Station	438
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Apogon maculatus (Poey)

Silver Bay Station	438	1554	1673
	1733		

Combat Station	353	391
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Apogon pigmentaris (Poey)

Oregon Station	1937	1938	2607
	2611	2616	2617
	2618	2624	2662

Silver Bay Station	2451
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Apogon planifrons Longley and Hildebrand

Oregon Station	2655
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Apogon pseudomaculatus Longley

Oregon Station	646	717	718
	725	897	963
	1553	1698	1702
	1797	2051	2065
	2308	2607	2662
	2667		

Silver Bay Station	53	2256
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Combat Station	161	353	426
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Apogon quadrисquamatus Longley

Silver Bay Station	53
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Apogon sellicauda

Oregon Station	2606	2607
	Serrana Bank	

Apogon stellatus (Cope)

Oregon Station	1892	1937	2618
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George M. Bowers Station	235
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Apogon townsendi (Breden)

Oregon Station	2610	2617
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Cheilodipterus affinis Poey

Oregon Station	646	1866	1875
	1895	2249	2262
	2607	2618	2627
	2633	2667	

Silver Bay Station	395
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Epigonus pandionis (Goode and Bean)

Oregon Station	597	1450	1455
	1456	1506	1507
	1516	1517	1563
	1581	1567	1570
	1579	2009	2319
	2320	2825	

Combat Station	281
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<u>Pelican</u> Station	13
<u>Synagrops</u> <u>bella</u> (Goode and Bean)	
<u>Oregon</u> Station	1321 1341 1442
	1448 1450 1454
	1455 1456 1460
	1502 1504 1505
	1506 1508 1516
	1517 1518 1519
	1521 1524 1525
	1526 1527 1528
	1529 1534 1537
	1538 1539 1540
	1543 1548 1556
	1562 1563 1564
	1565 1567 1568
	1569 1570 1573
	1574 1577 1579
	1581 1761 1868
	1875 1883 1885
	1886 1920 1923
	1924 1926 1931
	1932 1942 1943
	1944 1946 1961
	1962 1964 1969
	1971 1981 1999
	2004 2007 2009
	2021 2025 2319
	2635 2650 2651
	2673 2775 2780
	2782 2799 2825
<u>Silver Bay</u> Station	216 231 249
	442 459 1180
	1193 1194 1234
	1608 1671 1739
	2482
<u>Combat</u> Station	74 78 85
	105 186 216
	284 288 289
	300 303 315
	357 383 430
	433 435 442
	454 459 467
	471 473 474
	475 476 479
	480 484 489
	490 491
<u>Pelican</u> Station	10 38 41
	49
<u>Synagrops</u> <u>pseudomicrolepis</u> Schultz	
<u>Oregon</u> Station	1342 1882 1883
	2633 2634 2644
	2651 2653 2656
<u>Silver Bay</u> Station	441
<u>Synagrops</u> <u>spinosa</u> Schultz	
<u>Oregon</u> Station	1761 1870 1885
	1902 1921 1981
	1983 1985 2004
	2006 2203 2285
	2319 2780 2799
<u>Silver Bay</u> Station	1283 1740 1742
<u>Combat</u> Station	288 289 290
	483 484 491
<u>Synagrops</u> sp.	
<u>Oregon</u> Station	1525 1526 1527
	1528 1529 1530
	1885 1904 2203
<u>Silver Bay</u> Station	211 212 213
	214 217 225
	226 227 441
	442 459 1179
<u>Combat</u> Station	284 288 289
	290 300 303
	315 319 430
	433 435 454
	467 471 473
	474 475 476
	479 480 483
	484 489 490
	491
<u>Pelican</u> Station	77

APOGONIDAE	<u>Howella</u> <u>Sherborni</u> Norman
	<u>Oregon</u> Station 2191
	<u>Hypoclydonia</u> <u>bella</u> Goode and Bean
	<u>Oregon</u> Station 1579
ENTROPOMIDAE	<u>Centropomus</u> <u>ensiferus</u> Poey
	<u>Oregon</u> Station 2210 2211
SERRANIDAE	<u>Albitera</u> <u>scripta</u>
	<u>Silver Bay</u> Station 386
	<u>Alphestes</u> <u>sfer</u> (Bloch)
	<u>Silver Bay</u> Station 1218
	<u>Anthias</u> <u>asperilinus</u> Günther
	<u>Oregon</u> Station 896 2080 2081
	<u>Silver Bay</u> Station 1635 1739 2173
	<u>Anthias</u> <u>nicholsi</u> ?
	<u>Silver Bay</u> Station 1500
	<u>Centropristes</u> <u>melanopus</u> Ginsburg
	<u>Oregon</u> Station 1720
	<u>Combat</u> Station 378 386
	<u>Centropristes</u> <u>oxyurus</u> (Jordan and Evermann)
	<u>Oregon</u> Station 1494 1495 1530
	1532 1536 1554
	1639 1670 2890
	2926
	<u>Silver Bay</u> Station 1 3 4
	7 8 12
	53 88 91
	92 108 109
	110 111 158
	159 160 161
	162 163 164
	170 380 460
	1215 1218 1219
	1220 1231 1235
	1247 1268 1270
	1299 1342 1348
	1393 1498 1500
	1504 1506 1550
	1553 1563 1624
	1638 2155 2157
	2166 2391
	<u>Combat</u> Station 164 333 334
	335 339 341
	386 397 406
	424 425 426
	427 448 489
	496
	<u>Pelican</u> Station 14
	<u>George M. Bowers</u> 32
	<u>Centropristes</u> <u>philadelphicus</u> (Linnaeus)
	<u>Oregon</u> Station 1496 1499 1500
	1532 1533 1534
	1535 1536 1642
	1800 1944 2925
	<u>Silver Bay</u> Station 3 4 6
	12 159 281
	919 1219 1286
	1287 1289 1291
	1293 1345 1393
	1484 1553 1564
	2077
	<u>Combat</u> Station 339 370 371
	372 392

Centropristes striatus (Linnaeus)

<u>Oregon</u> Station	1721	1722
<u>Silver Bay</u> Station	845	1205
	1209	1210
	1212	1213
	1226	1228
	1233	1238
	1244	1250
	1263	1268
	1273	1290
	1294	1296
	1345	1351
	1485	1506
	1553	1734
	2083	2137
	2223	2807
	2533	2578

<u>Combat</u> Station	68	74
	94	97
	164	320
	372	371

<u>Pelican</u> Station	14	39
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Chlorististium sp.

<u>Oregon</u> Station	1345
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Dermatolepis inermis (Valenciennes)

<u>Oregon</u> Station	2234
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Dinematichthya cayorum

<u>Silver Bay</u> Station	438
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Diplectrum arcuarium Ginesburg

<u>Oregon</u> Station	1719	1795
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<u>Silver Bay</u> Station	2409	2410	2438
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Diplectrum bivittatum (Valenciennes)

<u>Oregon</u> Station	1004	1554	1674
	1866	1873	1938
	1997	2238	2248
	2607	2611	2613
	2618	2621	2622
	2631		

<u>Silver Bay</u> Station	66	350	351
	357		

Diplectrum formosum (Linnaeus)

<u>Oregon</u> Station	1553	1554	1560
	1637	1638	1680
	1719	1757	1764
	1770	1775	1996
	1999	2000	2018
	2020	2032	2035
	2036	2045	2046
	2078	2091	2096
	2234	2250	2327
	2935		

<u>Silver Bay</u> Station	59	92	153
	159	160	161
	162	163	164
	378	381	398
	406	412	712
	713	718	719
	720	726	744
	772	774	788
	841	915	940
	1204	1208	1210
	1212	1213	1218
	1222	1223	1226
	1227	1228	1229
	1230	1231	1237
	1238	1239	1240
	1243	1244	1259
	1266	1270	1271
	1273	1291	1293
	1294	1407	1484
	1507	1522	1523
	1528	1531	1537
	1637	1664	1669
	1738	2133	2188
	2214	2376	2411
	2438	2439	2440
	2441	2525	2578
	2580		

<u>Combat</u> Station	66	67	69
	158	161	321
	335	336	339
	341	424	496
	505	507	

<u>Pelican</u> Station	14	39
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George M. Bowers 235 Eleuthera (our station S26) Hatchet Bay, 3 miles offshore, April 20-May 3, 1960

SERRANIDAE
(contd.)Diplectrum radiale (Quoy and Gaimard)

<u>Oregon</u> Station	1998	2000	2017
	2018	2032	2034
	2035	2036	2037
	2044	2045	2050
	2078	2207	2208
	2234	2281	2348

<u>Silver Bay</u> Station	59
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Dules sp.

<u>Silver Bay</u> Station	2360	2361	2435
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Epinephelus adscensionis (Osbeck)

<u>Oregon</u>	Serrana Bank
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<u>Silver Bay</u> Station	358
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Epinephelus flavolimbatus (Poey)

<u>Oregon</u> Station	2229	2231	2704
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<u>Silver Bay</u> Station	301	736	832
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Epinephelus guttatus (Linnaeus)

<u>Oregon</u> Station	1795	1937
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<u>Silver Bay</u> Station	395
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Epinephelus itajara (Lichtenstein)

<u>Oregon</u> Station	2448
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<u>Silver Bay</u> Station	363	369	749
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Epinephelus morio (Valenciennes)

<u>Oregon</u> Station	963	1640	1719
	2364	2385	2366
	2453	2466	

<u>Silver Bay</u> Station	108	135	184
	341	342	352
	353	362	364
	365	383	391
	395	398	411
	413	416	417
	437	709	712
	713	714	715
	723	726	727
	744	745	772
	779	841	847
	849	850	943
	986	1032	1038
	1099	1101	1217
	2437		

Alacran Reefs

Epinephelus mystacinus (Poey)

<u>Silver Bay</u> Station	2395
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Epinephelus nigeritus (Holbrook)

<u>Oregon</u> Station	1303	1512	1515
	1801	1877	2759

<u>Silver Bay</u> Station	9	196	207
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Epinephelus niveatus (Valenciennes)

<u>Oregon</u> Station	1503
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<u>Silver Bay</u> Station	208	2383	2395
	2407	2408	

Epinephelus striatus (Bloch)

<u>Silver Bay</u> Station	986
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George M. Bowers

Eleuthera (our station S26) Hatchet Bay, 3 miles offshore April 20-May 3, 1960

Alacran Reefs

Hemianthias vivanus (Jordan and Swain)

<u>Oregon</u> Station	1639	1986
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<u>Silver Bay</u> Station	2360	2467
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Combat Station

<u>Combat</u> Station	90
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SERRANIDAE
(contd.)*Hypoplectrus unicolor* (Walbaum)

<u>Oregon</u> Station	963
<u>Silver Bay</u> Station	438 740

Liopropoma nowbrayi

<u>Combat</u> Station	235
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Mentoperca luciopercana (Poey)

<u>Oregon</u> Station	1875
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Myctoperca bonaci (Poey)

<u>Oregon</u> Station	1512 1515 1639
	1721 1722 1724
	1725 1769 1796
	2448 2709
<u>Silver Bay</u> Station	110 152 153
	193 199 370
	395 408 413
	416 710 713
	714 715 716
	717 719 720
	722 723 726
	728 744 745
	986 1085 1150
	1157 1217 1222
	1297 2437

<u>Combat</u> Station	71
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Myctoperca falcata (Poey)

<u>Oregon</u> Station	1512 1795 2185
<u>Silver Bay</u> Station	267 749 776
	779 787 802
	841 843 845
	850 856 900
	943 970 986
	1006 1008 1009
	1038 1061 1090
	1099 1101 1157
	1207 1208 1217
	1218

Myctoperca interstitialis

<u>Silver Bay</u> Station	406 438
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Myctoperca microlepis (Goode and Bean)

<u>Silver Bay</u> Station	399 413 416
	417 437

Myctoperca phenax Jordan and Swain

<u>Silver Bay</u> Station	343 347 350
	353 355 361
	364 371 374
	397 398 401
	416 2533

Myctoperca venenosa (Linnaeus)

<u>Oregon</u> Station	1494 1512 1515
<u>Silver Bay</u> Station	986 1090

Ocyanthias martinicensis (Guichenot)

<u>Silver Bay</u> Station	2170
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Paracentropristes notospilus (Longley)

<u>Oregon</u> Station	2700
<u>Combat</u> Station	90 406 372

Paracentropristes pomospilus Ginsburg

<u>Oregon</u> Station	603 944 1088
	1494 1495 1497
	1795 1873 1875
	1890 1993 2622
	2655

<u>Silver Bay</u> Station	12
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Paralabrax dewegeri (Metzelaar)

<u>Oregon</u> Station	2278
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Paranthias furcifer (Valenciennes)

<u>Oregon</u> Station	329 330 858
	2623 2624

Pikea cubensis

<u>Oregon</u> Station	1345 1867 1877
	1902

SERRANIDAE
(contd.)*Pikea mexicana* Schultz

<u>Oregon</u> Station	695 858 864
<u>Pikea mexicana atlantica</u>	
<u>Oregon</u> Station	1983 1986 1988

Prionodesjenyns

<u>Oregon</u> Station	1866 1878 1879
	2273

Prionodesannularis (Günther)

<u>Oregon</u> Station	2315 2618
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Prionodesatrobranchus

<u>Oregon</u> Station	1873 1987 2001
	2014 2015 2016
	2020 2030 2032
	2049 2054 2060
	2061 2074 2075
	2078 2087 2221
	2226 2234 2235
	2238 2241 2248
	2274 2276 2304
	2305 2308 2616
	2649 2654 2655

Prionodesbaldwini Evermann and Marsh

<u>Oregon</u> Station	1937 2276
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Prionodesfuscus

<u>Oregon</u> Station	1874
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Prionodesphoebe (Poey)

<u>Oregon</u> Station	892 920 944
	1025 1303 1559
	1795 1874 1877
	1994 1997 2001
	2063 2244 2245
	2247 2248 2261
	2607 2662 2925
<u>Silver Bay</u> Station	340 393 395
	401 413 420
	437 438 461
	709 1120 1207
	1233 1393 1500
	1505 1534 1672
	1742 1751 2145
	2170 2357 2389
	2390 2434 2467
	2470 2476 2535
	2790 2798
<u>Combat</u> Station	72 74 75
	89 96 101
	165 334 348
	353 383 455
<u>Pelican</u> Station	15

Prionodestabacarias (Cuvier and Valenciennes)

<u>Oregon</u> Station	2607 2618 2624
	2630

Silver Bay Station

<u>Silver Bay</u> Station	395 501
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Prionodes sp.

<u>Oregon</u> Station	1994 2010 2015
	2232

Pronotogrammus aureorubens Longley

<u>Oregon</u> Station	864 1539 1639
	1983 1985 1989
	2005 2022 2221
	2285 2291 2772
	2775

Pronotogrammusvivanus (Jordan and Swain)

<u>Oregon</u> Station	1025 1026
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Pronotogrammus sp.

<u>Silver Bay</u> Station	1280 1500 1634
	1742 2170

SERRANIDAE
(contd.)Rypticus arenatus (Cuvier)

<u>Oregon</u> Station	897	936	1021
	2291		
<u>Silver Bay</u> Station	1549	1554	2057
	2362	2770	

Rypticus saponaceus (Bloch and Schneider)

<u>Oregon</u> Station	1531	1536	1795
Serrana Bank			
<u>Silver Bay</u> Station	69	73	159
	205	1121	1208
	1389	1549	2057
	2527	2585	2593
20 miles North East of Cay Arenas			

Rypticus subbifrenatus (Gill)

<u>Oregon</u>	Serrana Bank
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Serranus beta

<u>Oregon</u> Station	2622
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Serranus campechanus Woods

<u>Oregon</u> Station	1866	1874	2606
	2607	2617	2624
<u>Silver Bay</u> Station	392	393	429
	435	437	Campeche Banks

Serranus chionarai

<u>Oregon</u> Station	2667
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Serranus pumilio Ginsburg

<u>Oregon</u> Station	1693	2248
<u>Silver Bay</u> Station	59	
<u>Combat</u> Station	90	

Serranus subligarius (Cope)

<u>Oregon</u> Station	1873
<u>Silver Bay</u> Station	53

Serranus tortugaram Longley

<u>Oregon</u> Station	1874	2607	2618
	2619	2620	2622
	2624	2628	2630
	2662		

<u>Silver Bay</u> Station	501
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PRIACANTHIDAE

Cookeolus boops (Bloch and Schneider)

<u>Silver Bay</u> Station	2172
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Priacanthus arenatus Cuvier

<u>Oregon</u> Station	1866	1874	1934
	2043	2209	2217
	2235	2238	2251
	2262	2309	2617
	2890		

<u>Silver Bay</u> Station	6	7	9
	130	342	359
	770	799	802
	1006	1007	1009
	1062	1074	1157

<u>Combat</u> Station	378
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<u>George M. Bowers</u> Station	235
Eleuthera (our station 526)	
Hatchet Bay, 3 miles offshore	

April 20-May 3, 1960

Pseudopriacanthus altus (Gill)

<u>Oregon</u> Station	963	1022	1639
	1647	1705	1786
	1790	1796	2607
	3015	3039	

<u>Silver Bay</u> Station	10	709	1393
	1506	2168	2172
	2359	2376	2439
	2507		

<u>Combat</u> Station	72
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<u>Pelican</u> Station	15
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LOBOTIDAE

Lobotes surinamensis (Bloch)

<u>Oregon</u> Station	1137	1185
<u>Silver Bay</u> Station	2172	87
<u>Combat</u> Station	458	490

LUTJANIDAE

Apsilus dentatus Guichenot

<u>Combat</u> Station	258
<u>Lutjanus analis</u> (Cuvier)	
<u>Oregon</u> Station	2307
<u>Silver Bay</u> Station	349
	353
	365
	370
	390
	847
	891
	943
	1007
	1038
	1099
	351
	361
	366
	372
	395
	880
	915
	1005
	1009
	1062
	1101

Lutjanus apodus (Walbaum)

<u>Oregon</u> Station	2617
<u>Lutjanus blackfordi</u> Goode and Bean	
<u>Oregon</u> Station	295
	1512
	1628
	1631
	1642
	1654
	1658
	1661
	1662
	1666
	1671
	1786
	1790
	1795
	1801
	1802
	2042
	2360
	2363
	2373
	2503
	2517
	2552
	2607
	2627
	2861
	2886
	2890
	2897
	2909
	2917
	2933
	2939
	2984
	3007
	3016
	3056
	3124
	1
	5
	8
	110
	176
	181
	185
	188
	192
	195
	198
	201
	206
	209
	261
	267
	274
	296
	303
	312
	347
	352
	361
	365
	370
	3
	6
	9
	154
	178
	182
	186
	189
	193
	196
	199
	202
	208
	210
	262
	269
	279
	300
	310
	343
	349
	353
	362
	364
	367
	374

LUTJANIDAE
(contd.)

381	390	398
401	416	430
708	726	727
788	789	802
803	805	815
816	842	845
845	846	848
849	850	856
864	880	891
900	914	919
940	943	970
974	982	995
1005	1006	1007
1008	1009	1038
1061	1061	1074
1085	1090	1099
1101	1120	1121
1150	1157	1160
1268	1393	2079
2137	2138	2143
2354	2355	2376
2409	2437	2579

LUTJANIDAE
(contd.)

Combat Station

64 349

Lutjanus buccanella (Cuvier)

Oregon Station 2607 2617 2618

2622 2623

Silver Bay Station 395 435

Lutjanus cyanopterus (Cuvier)

Silver Bay Station 368

Lutjanus griseus (Linnaeus)

Silver Bay Station 346 361 362
374 438 715
943 970 974
1008 1096 2140
2143

Lutjanus mahogoni (Valenciennes)

Oregon Station 2278

Silver Bay Station 2717

Lutjanus synagris (Linnaeus)

Oregon Station 713 1628 1642
1669 1726 1800
1934 1935 1936
1937 1938 2037
2613 2901

Silver Bay Station 1 59 70
110 168 343
350 351 352
353 361 362
364 365 366
368 370 372
374 380 411
413 500 501
713 726 727
728 744 745
841 842 843
845 846 848
849 850 856
880 891 900
914 940 943
1005 1006 1007
1008 1009 1038
1061 1062 1085
1090 1099 1101
1157 2137 2410
2411 2437 2438
2439 2441

Lutjanus vivanus (Cuvier)

Oregon Station 1997 2001 2017
2018 2033 2034

Silver Bay Station 437 847 1147
1207 2159 2432

Ocyurus chrysurus (Bloch)

Oregon Station 1937 2185 2355

2466

Silver Bay Station 342 343 365
366 370 381
386 708 728
841 660 900
916 943 986
2140 2437

LUTJANIDAE
(contd.)

Pristipomoides andersoni Ginsburg

Oregon Station 423 1303 1864
1867 1995 2203
2274 2288 2704

Silver Bay Station 46 351 359
380 401 435
435 461 1268
1359 1500 1672
1692 1738 2390

Pristipomoides macrophthalmus (Miller and Troschel)

Oregon Station 2 1988 1994
2001 2018 2032

Silver Bay Station 2470 2472 2479

Combat Station 236 238

Rhomboplites aurorubens (Cuvier)

Oregon Station 412 944 1494
1512 1629 1631
1636 1642 1658
1659 1660 1663
1702 1724 1725
1787 1788 1792
1866 1875 1997
1999 2003 2032
2035 2056 2042
2366 2448 2454
2468 2616 2703
2803 2847 2850
2889 2926 2980
2985 3011

Silver Bay Station 4 5 6
7 8 9
10 11 108
110 111 163
164 175 184
185 187 191
192 193 194
195 196 198
199 200 205
208 209 266
267 274 279
341 344 350
352 353 359
360 361 362
366 368 372
374 381 383
390 391 393
395 398 401
411 413 416
708 709 711
713 715 716
718 719 720
725 726 727
728 744 745
772 774 776
779 789 802
803 805 816
837 841 842
845 846 849
850 856 880
891 900 916
917 997 1005
1006 1007 1008
1009 1038 1150
1157 1160 1204
1205 1208 1209
1210 1216 1217
1218 1220 1221
1222 1223 1224
1225 1228 1231
1233 1235 1273
1295 1296 1297
1320 1345 1360
1361 1506 1507
1534 1537 1548
1672 1733 1751
2078 2080 2083
2137 2138 2140
2143 2360 2438
2439 2525 2533
2537 2538

Combat Station 64 71 161
167 200 201
353 354 335
348 353 391
406 426 427
428 497 511
519

Pelican Station 16 32

POMADASIOAE

Anisotremus virginicus (Linnaeus)

<u>Oregon</u> Station	713	2466
<u>Silver Bay</u> Station	365	2717
<u>Bathystoma</u> <u>aurolineatum</u> (Cuvier)		
<u>Oregon</u> Station	1004	1782 1787
	1866	2225 2311
<u>Silver Bay</u> Station	352	501 709
	1101	1204 1207
	1208	1209 1210
	1211	1213 1216
	1217	1218 1221
	1222	1223 1225
	1226	1227 1228
	1230	1235 1294
	1296	1338 1341
	1348	1361 1500
	1505	1534 1655
	1661	1669 1692
	1733	1734 2078
	2083	2170 2223
	2451	
<u>Combat</u> Station	324	333 334
	335	347 425
	428	

Bathystoma rimator (Jordan and Swain)

<u>Oregon</u> Station	1004	1997 2035
	2264	2289
<u>Silver Bay</u> Station		
	9	10 341
	350	368 381
	943	986 1079
	1507	2080 2137
	2140	2143 2354
	2376	2438 2441
	2525	2533 2537
<u>Combat</u> Station	69	

Bathystoma striatum (Linnaeus)

<u>Oregon</u> Station	2043	
<u>Silver Bay</u> Station	11	341 352
	401	406 412
	413	435 1534

Conodon nobilis (Linnaeus)

<u>Oregon</u> Station	2037	2278
<u>Silver Bay</u> Station	500	

Genyatremus luteus (Bloch)

<u>Oregon</u> Station	2215	
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Haemulon flavolineatum (Desmarest)

<u>Silver Bay</u> Station	501	
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Haemulon melanurum (Linnaeus)

<u>Oregon</u> Station	2355	
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Haemulon plumieri (Lacépède)

<u>Oregon</u> Station	930	1553 1554
	1627	1674 1675
	1676	1682 1686
	1698	1702 1703
	1705	1707 1716
	1721	1725 1736
	1738	1750 1787
<u>Silver Bay</u> Station	71	342 411
	842	843 1098
	1204	1205 1207
	1208	1209 1211
	1216	1217 1221
	1222	1348 1405
	1507	1534 1772
	2223	2439

George M. Bowers
Station 235
Eleutha (our station 562)
Batchet Bay, 2 miles offshore
April 20-May 3, 1960

Baemulon sciurus (Shaw)

<u>Silver Bay</u> Station	501	986
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POMADASIDAE
(contd.)Orthopristis chaleucus (Günther)

<u>Oregon</u> Station	2225
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Orthopristis chrysopoeritus (Linnaeus)

<u>Silver Bay</u> Station	1	6	125
	128	143	166
	167	303	320
	1204	1213	1226
	1227	1240	1254
	1255	1262	1263
	1264	1273	1285
	1286	1289	1375
	1483	1486	1498
	1501	1731	2537

SPARIDAE

Orthopristis ruber

<u>Oregon</u> Station	2043
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Pomadasys coroninaformis

<u>Oregon</u> Station	2076
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Archosargus probatocephalus (Walbaum)

<u>Silver Bay</u> Station	319	722	2143
	2718		

Calamus arctifrons Goode and Bean

<u>Oregon</u> Station	295	706	1795
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Calamus bejonado (Bloch and Schneider)

<u>Combat</u> Station	426
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Calamus calamus (Valenciennes)

<u>Silver Bay</u> Station	341	342
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Calamus proridens Jordan and Gilbert

<u>Oregon</u> Station	725	901
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Diplodus holbrooki (Bean)

<u>Silver Bay</u> Station	1507	2162	2163
	2261	2262	2433

Lagodon rhombooides (Linnaeus)

<u>Oregon</u> Station	1495	1627	1628
	1638	1640	1642
	1647	1652	1654
	1660	1662	1663
	1669	1670	1671
	1680	1724	1725
	1784	1787	1791
	1792	1800	1801
	2135	2205	2206
	2375	2386	2397
	2398	2411	2417
	2444	2445	2448
	2453	2522	2534
	2555	2556	2560
	2561	2662	2726
	2811	2898	2926
	2964	3015	3027
	3066	3114	3124

Silver Bay Station

	1	3	5
	6	7	8
	9	10	12
	14	71	110
	152	153	160
	161	162	166
	167	168	185
	188	189	195
	208	209	256
	303	304	312
	320	350	352
	362	368	393
	398	401	411
	413	416	461
	580	682	711
	715	716	719
	720	725	726
	728	744	800
	803	805	816
	841	842	845
	849	880	915
	916	940	943
	1062	1121	1204
	1205	1207	1210
	1211	1212	1213
	1214	1216	1217
	1218	1220	1221
	1226	1227	1229
	1231	1240	1249

SPARIDAE (cnntd.)	1251 1254 1256 1262 1266 1272 1284 1285 1286 1287 1288 1289 1291 1324 1345 1348 1351 1396 1397 1665 1734 1738 2165 2409 2410 2441	SPARIDAE (contd.)	344 350 351 352 361 362 364 365 366 374 709 717 799 800 841 843 845 848 850 864 880 891 914 916 919 929 940 943 1038 1061 1062 1117 1121 1345
<u>Combat</u> Station	68 69 99 161 167 168 200 203 339 374 424 425 505	<u>Combat</u> Station	348 378
<u>Pagrus pagrus</u> (Linnaeus)		<u>Stenotomus chrysops</u> (Linnaeus)	
<u>Silver Bay</u> Station	426 496 1506 2163	<u>Oregon</u> Station	2928
<u>Pagrus sedecim</u> Ginsburg		<u>Silver Bay</u> Station	1204 1240 1243 1247 1249 1252 1254 1256 1257 1260 1266 1267 1284 1285 1375 1507 2162 2163
<u>Silver Bay</u> Station	5 6 9 108 110 111 152 158 159 176 177 180 181 182 185 187 281 501 1297 2140 2143 2537 2538	KYP805IDAE	<u>Pelican</u> Station 39 <u>Kyphosus incisor</u> (Cuvier)
<u>Combat</u> Station	386	<u>Silver Bay</u> Station	227 447 1372 1620 2201
<u>Stenotomus aculeatus</u> ?		<u>Combat</u> Station	336 337 448 458 459 462 485 490
<u>Combat</u> Station	158 424	<u>Kyphosus sectatrix</u> (Linnaeus)	
<u>Stenotomus caprinus</u> Beam		<u>Silver Bay</u> Station	1388 1390
<u>Oregon</u> Station	1494 1495 1496 1497 1499 1500 1531 1532 1533 1534 1535 1536 1627 1628 1629 1630 1631 1636 1637 1638 1640 1642 1647 1654 1656 1657 1658 1659 1660 1661 1662 1663 1664 1666 1668 1669 1670 1671 1701 1702 1703 1715 1719 1721 1725 1726 1727 1734 1735 1736 1757 1759 1760 1762 1763 1764 1765 1770 1771 1773 1774 1775 1785 1785 1787 1788 1789 1791 1792 1796 1797 1798 1799 1800 1801 1802 1803 2111 2514 2517 2518 2522 2531 2534 2535 2536 2537 2556 2557 2704 2740 2800 2803 2854 2860 2890 2898 2910 2925 2926 2933 2955 2960 2967 2979 3013 3022 3046 3063 3066 3066 3103 3109 3114 3124 3174	<u>EMMELICHTHYIDAE</u>	<u>Combat</u> Station 336 448 <u>Emmelichthys atlanticus</u> Schultz
<u>Silver Bay</u> Station	1 3 4 5 6 7 8 9 10 12 14 44 110 111 158 159 160 161 162 164 168 170 178 184 188 189 190 191 192 194 195 196 199 200 201 202 203 204 205 206 207 208 209 210 258 260 261 262 263 266 267 273 274 276 279 281 296 300 301 302 303 310 311 312 319 330	GERRIDAE	<u>Oregon</u> Station 1874 2623 2624 <u>Silver Bay</u> Station 435
<u>Eucinostomus argenteus</u> Baird and Girard		<u>Gasterosteidae</u>	<u>Diapterus rhombeus</u> (Cuvier)
<u>Oregon</u> Station		<u>Oregon</u> Station	2223 2225
<u>Silver Bay</u> Station		<u>Silver Bay</u> Station	930
<u>Combat</u> Station		<u>Silver Bay</u> Station	44 1484 1553 2376 2410 2438
<u>Eucinostomus gula</u> (Cuvier and Valenciennes)		<u>Combat</u> Station	320
<u>Oregon</u> Station		<u>Eucinostomus pseudogula</u> Pogey	
<u>Silver Bay</u> Station		<u>Silver Bay</u> Station	501
<u>MULLIDAE</u>		<u>Mulloidichthys martinicus</u> (Cuvier)	
<u>Oregon</u> Station		<u>Oregon</u> Station	1477 Serrana Bank
<u>Silver Bay</u> Station		<u>Silver Bay</u> Station	3 5 6 7 8 12 1005 1007
<u>Mulloidichthys</u> sp.		<u>Mulloidichthys</u> sp.	
<u>Silver Bay</u> Station		<u>Silver Bay</u> Station	384
<u>Mullus argentinae</u>		<u>Mullus argentinae</u>	
<u>Oregon</u> Station		<u>Oregon</u> Station	1985 2003
<u>Pseudupeneus maculatus</u> (Bloch)		<u>Pseudupeneus maculatus</u> (Bloch)	
<u>Oregon</u> Station		<u>Oregon</u> Station	1342 1496 1500 1510 1511 1514 1531 1535 1652

MULLIDAE (cooed.)	<u>Silver Bay</u> Station	3	7	9	SCIAENIDAE (cooed.)	<u>Silver Bay</u> Station	238	239	240
		12	108	154			241	245	246
		155	178	178			1120	1211	1212
		180	182	184			1250	1258	1285
		185	187	189			1328	1329	1397
		190	191	192			1485	1486	1487
		194	195	196			1747	2165	2187
		198	199	200			2213	2214	2578
		202	203	204					
		205	206	207					
		208	210	258					
		260	261	262					
		266	281	438					
		460	501	709					
		728	841	843					
		846	849	856					
<u>Upeneus</u> <u>auratus</u> <small>Jordan and Gilbert</small>	<u>Oregon</u> Station	940	974	1038					
		1062	1120	1150					
		1204	1214	1216					
		1229	1534	1549					
		1553	1742						
<u>Upeneus</u> <u>parvus</u> <small>Poey</small>	<u>Oregon</u> Station	866	1088	1792					
		1795	1799	1877					
		1993	1998	1999					
		2000	2001	2015					
		2016	2020	2032					
		2034	2036	2041					
		2043	2071	2073					
		2075	2091	2217					
		2221	2241	2274					
		2304	2611	2627					
SCIAENIDAE	<u>Silver Bay</u> Station	281	344	352					
		1268							
<u>Bairdiella</u> <u>chrysura</u> <small>(Lacépède)</small>	<u>Oregon</u> Station	2154							
<u>Cynoscion</u> <u>arearius</u> <small>Ciosburg</small>	<u>Oregon</u> Station	1497	2203						
<u>Cynoscion</u> <u>jamaicensis</u> <small>(Vaillant and Bocourt)</small>	<u>Oregon</u> Station	2043							
<u>Cynoscion</u> <u>nebulosus</u> <small>(Cuvier)</small>	<u>Oregon</u> Station	2700							
<u>Cynoscion</u> <u>notbus</u> <small>(Holbrook)</small>	<u>Oregon</u> Station	1494	1531	1533					
		1536	1642	1649					
		1651	1655	1656					
		1660	1661	1662					
		1664	1666	1734					
		1737	1784	2143					
		2514	2878	2904					
		2967							
<u>Cynoscion</u> <u>regalis</u> <small>(Bloch and Schneider)</small>	<u>Oregon</u> Station	1284	1486						
<u>Equetus</u> <u>acuminatus</u> <small>Bloch and Schneider</small>	<u>Oregon</u> Station	2463	2504	2524					
		2527	2866	3082					
		3149							
<u>Equetus</u> <u>lanceolatus</u> <small>(Linnaeus)</small>	<u>Oregon</u> Station	1022	1554	1692					
		1693	1698	1724					
		1736	1798	1937					
		1938	1999	2244					
		2248	2249	2256					
		2257	2262	2273					
		2607	2615						

SCIAENIDAE
(contd.)

330	460	498
919	929	1212
1213	1241	1242
1243	1249	1250
1262	1263	1284
1285	1286	1287
1288	1289	1290
1313	1351	1376
1382	1486	1552
1726	1742	1755
1754	2165	2578
2579		

Combat Station	159	339	344
	448	490	504
	527	530	

Pelican Station	8	14	
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Lonchurus lanceolatus Bloch

Oregon Station	2056		
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Menticirrhus americanus (Linnaeus)

Oregon Station	1532	1627	1649
	1651	1717	2101
	2142	2375	2380
	2381	2425	2426
	2461	2492	2493
	2494	2495	2496
	2498	2499	2502
	2504	2532	2554
	2558	2560	2561
	2562	2678	2904
	2910	2933	2967
	2993	3027	3053
	3066	3078	3103
	3124	3149	

Silver Bay Station	144	170	258
	718	1212	1322
	1377	1529	

Menticirrhus focaliger Ginsburg

Oregon Station	1784		
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Menticirrhus littoralis

Silver Bay Station	1212		
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Menticirrhus martinicensis (Cuvier and Valenciennes)

Oregon Station	2325		
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Menticirrhus saxatilis (Bloch and Schneider)

Oregon Station	1651		
Silver Bay Station	238	239	241
	242	243	244
	245	1212	1654
	2553		

Micropogon furnieri (Desmarest)

Oregon Station	2016	2037	2049
	2058		

Micropogon undulatus (Linnaeus)

Oregon Station	1495	1496	1497
	1499	1531	1533
	1534	1536	1627
	1628	1629	1630
	1631	1636	1637
	1640	1642	1647
	1649	1651	1652
	1654	1655	1656
	1657	1660	1661
	1662	1663	1664
	1666	1667	1668
	1669	1670	1681
	1684	1688	1689
	1696	1711	1712
	1714	1716	1717
	1724	1727	1731
	1734	1736	1737
	1738	1745	1749
	1751	1757	1758
	1759	1763	1771
	1802	1803	2093
	2094	2096	2097
	2098	2101	2111
	2117	2118	2122
	2125	2127	2130
	2373	2375	2377
	2380	2381	2383
	2384	2385	2388
	2389	2393	2394
	2395	2397	2398
	2408	2409	2411
	2412	2416	2417

SCIAENIDAE
(cootd.)

2418	2420	2422
2458	2459	2460
2461	2462	2463
2494	2499	2501
2502	2503	2514
2517	2518	2524
2531	2532	2533
2534	2535	2536
2537	2544	2546
2554	2555	2556
2557	2558	2561
2590	2676	2687
2701	2702	2704
2712	2800	2803
2851	2853	2869
2878	2898	2904
2910	2926	2933
2955	2960	2967
2979	2984	2993
3022	3027	3046
3056	3078	3082
3095	3103	3109
3114	3124	3138
3141	3149	3174

Silver Bay Station

1	3	4
9	10	14
111	144	160
163	164	165
166	167	168
169	170	178
180	187	188
189	190	191
196	202	203
207	210	238
239	240	241
242	243	244
245	246	273
296	300	301
303	304	319
330	361	567
679	789	798
843	845	846
919	929	1120
1205	1211	1212
1213	1240	1241
1249	1250	1258
1262	1273	1284
1285	1286	1287
1288	1289	1290
1299	1313	1345
1351	1483	1485
1487	1664	1754
2165	2440	

Combat Station

158	344	345
377	490	504
506	507	

Pelican Station

3	8	14
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Nebris microps Cuvier and Valenciennes

Oregon Station	2058	
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Opiboscion sp.

Oregon Station	2325	
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Paralongchurus brasiliensis

Oregon Station	2058	2059	2076
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Pogonias cromis (Linnaeus)

Oregon Station	2420	2495	2496
Silver Bay Station	240	243	256
	257	816	1216
	1486		

Sagenichthys macrodon (Bloch and Schneider)

Oregon Station	2038	2055	2056
	2058	2059	2074
	2076		

Sciaenops ocellatus (Linnaeus)

Oregon Station	1784	2397	2420
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Silver Bay Station	168	1487	
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Stellifer rastrifer Jordan and Eigenmann

Oregon Station	2058	2074	
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Stellifer microps Steindachner

Oregon Station	2058	2059	
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Stellifer lanceolatus (Holbrook)

Oregon Station	2211	2875	2876
	2878		

Silver Bay Station	1375	
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SCI AENIDAE (contd.)	<u>Umbrina gracilicirrhus</u> Metzelaar	EPHIPPIDAE (contd.)	<u>Combat</u> Station	513
	<u>Oregon</u> Station 2226	CHAETODONTIDAE	<u>Centropyge argi</u> Woods and Kanazawa	
BRANCHIOSTEGIDAE	<u>Malacanthus plumieri</u> (Block)		<u>Oregon</u> Station 2618	
	<u>Oregon</u> Station 220 1046 2607		<u>Chaetodon aya</u> Jordan	
	2611 2622 2630		<u>Oregon</u> Station 916	
	<u>Silver Bay</u> Station 301		<u>Silver Bay</u> Station 437 1393 1500	
	<u>Caulolatilus</u> sp.		1505 2170 2369	
	<u>Oregon</u> Station 2229 2230 2259		2390 2527 2533	
	2288 2294 3059		2538 2721	
	<u>Silver Bay</u> Station 2930		<u>Combat</u> Station 72 90 384	
	<u>Lopholatilus chamaeleonticeps</u> (Goode and Bean)		<u>Pelican</u> Station 12	
	<u>Oregon</u> Station 1784		<u>Chaetodon capistratus</u> Linnaeus	
	<u>Silver Bay</u> Station 196		<u>Oregon</u> Station 1938	
CAPROIDAE	<u>Antigonia capros</u> Lowe		<u>Silver Bay</u> Station 845 891	
	<u>Oregon</u> Station 156 273 277		<u>Chaetodon guyanensis</u> Durand	
	278 603 732		<u>Oregon</u> Station 2655	
	864 920 945		<u>Chaetodon ocellatus</u> Bloch	
	1026 1343 1514		<u>Oregon</u> Station 963 967 1647	
	1517 1537 1538		1795 1938 2060	
	1539 1541 1867		2061 2262 2265	
	1868 1869 1870		2273 2276 2315	
	1879 1882 1883		2453	
	1902 1923 1925		<u>Silver Bay</u> Station 9 10 11	
	1928 1929 1932		209 210 342	
	1954 1964 1966		366 381 501	
	2286 2289 2291		841 856 1208	
	2356 2606 2643		1209 1216 1217	
	2649		1224 1296 1323	
	<u>Silver Bay</u> Station 154 179 1393		1325 1360 1364	
	1635 1739 1740		1506 1734 1738	
	1742 2174 2390		2533 2537 2717	
	2416 2464			
	<u>Combat</u> Station 235 370 384			
	457 trawl			
	<u>Antigonia combatia</u> Berry and Rathbun		<u>Chaetodon sedentarius</u> Poey	
	<u>Oregon</u> Station 32 1026 1343		<u>Oregon</u> Station 892 961 1004	
	1868 1882 1902		1647 1795 1998	
	1983 1986 1987		1999 2034 2049	
	2013 2066 2083		2051 2054 2057	
	2285 2286 2291		2062 2071 2078	
	2356 2605 2627		2085 2087 2249	
	2633 2643 2647		2250 2257 2259	
	2648 2651 2655		2273 2305 2308	
	2658		2311 2315 2607	
	<u>Silver Bay</u> Station 2416 2467 2470		2617 2662 2667	
	<u>Combat</u> Station 259 370 457		<u>Silver Bay</u> Station 366 390 406	
EPHIPPIDAE	<u>Chaetodipterus faber</u> (Broussonet)		437 500 501	
	<u>Oregon</u> Station 1496 1627 1630		1207 1217 1233	
	1639 1654 1656		1234 1268 1297	
	1657 1659 1660		1360 1506 1534	
	1661 1663 1664		1754 1738 2533	
	1668 1673 1726		2537 2538 2543	
	1735 1738 1757		<u>Combat</u> Station 353 426	
	1758 1789 1790		<u>Chaetodon striatus</u> Linnaeus	
	1791 2373 2495		<u>Oregon</u> Station 2311 2618 2628	
	2496 2499 2501		<u>Silver Bay</u> Station 110 1007 1208	
	2504 2561 2564		<u>Holocanthus bermudensis</u> (Goode)	
	2561 2564 2667		<u>Oregon</u> Station 1647 1795	
	2869 2875 2978		<u>Silver Bay</u> Station 342 366 416	
	2881 2904 2933		<u>Holocanthus ciliaris</u> (Linnaeus)	
	2960 2979 2984		<u>Silver Bay</u> Station 9 160 206	
	2993 3022 3027		438 1009	
	3046 3078 3082		<u>Holocanthus isabelita</u> (Jordan and Rutter)	
	3095 3103 3109		<u>Oregon</u> Station 1647 1692 1795	
	3124		<u>Silver Bay</u> Station 1217 1218 1360	
	<u>Silver Bay</u> Station 152 187 209		1506 1526 2140	
	210 238 240		2262	
	241 245 258		<u>Combat</u> Station 40 347 353	
	266 303 798			
	799 837 848			
	919 1007 1120			
	1207 1211 1226			
	1227 1251 1255			
	1262 1273 1287			
	1288 1291 1305			
	1309 1311 1313			
	1345 1501 1537			
	1562 1622 1661			
	1734 2222 2223			
	2440 2579			

CHAETODONTIDAE (contd.)	<i>Pomacanthus arcuatus</i> (Linnaeus)	SCORPAENIDAE (contd.)	<i>Pontinus castor</i> Poe
	<u>Oregon</u> Station 1892 2262 <u>Silver Bay</u> Station 847 856 891 915 916 1038 2999		<u>Oregon</u> Station 2607 <u>Pontinus longispinus</u> Goode and Bean
	<i>Pomacanthus aureus</i> (Bloch)		<u>Oregon</u> Station 504 864 1878 1981 1983 1984 1985 1986 1989 2004 2005 2012 2013 2021 2022 2083 2203 2285 2286 2799
	<u>Oregon</u> Station 1865 1937 1938 2262 2250 2630		<u>Silver Bay</u> Station 459 2467 2470 2428
	<u>Silver Bay</u> Station 10 501 386		<u>Pelican</u> Station 61
	<i>Pomacanthus paru</i> (Bloch)		<u>Pontinus macrolepis</u> (Goode and Bean)
	<u>Silver Bay</u> Station 726 847 916 1008 1101 1534 2359 2999 3000		<u>Silver Bay</u> Station 2479 <u>Combat</u> Station 236
	<i>Prognathodes aculeatus</i> (Poe)		<u>Pontinus Rathbuni</u> Goode and Bean
	<u>Oregon</u> Station 2607 2617 2624 2628 2632		<u>Oregon</u> Station 1985 1986 1990 1993 2004 2005 2014 2021 2065 2080 2081 2083 2627 2665
ACANTHURIDAE	<i>Acanthurus bahianus</i> Castelnau		<u>Silver Bay</u> Station 1280 1500 1505 1635 2902
	<u>Oregon</u> Serrana Bank <u>Silver Bay</u> Station 438		<i>Scorpaena agassizi</i> Goode and Bean
	<i>Acanthurus chirurgus</i> (Bloch)		<u>Oregon</u> Station 917 944 1004 1025 1303 1879 2345
	<u>Silver Bay</u> Station 1506 1508		<u>Silver Bay</u> Station 437 438 2170 2382 2487
	<i>Acanthurus caeruleus</i> Bloch and Schneider		<u>Combat</u> Station 154 385 457
	<u>Oregon</u> Serrana Bank <u>Silver Bay</u> Station 438		<i>Scorpaena bergi</i> Evermann and Marsh
	<i>Acanthurus hepatus</i> (Linnaeus)		<u>Silver Bay</u> Station 1218 1220
	<u>Oregon</u> Station 2087		<i>Scorpaena brasiliensis</i> Cuvier
	<i>Acanthurus randalli</i> Briggs and Caldwell		<u>Oregon</u> Station 890 892 897 901 916 936 1719 1866 1934 1935 1937 1938 2043 2044 2058 2059 2208 2231 2241 2244 2253 2308 2310
	<u>Oregon</u> Serrana Bank		<u>Silver Bay</u> Station 60 301 380 406 449 499 581 1348 1526 1545 1553 2155 2833
SCORPAENIDAE	<i>Etreposebastes</i> sp.		<u>Combat</u> Station 161 320 335 370
	<u>Oregon</u> Station 1940		<i>Scorpaena calcarata</i> Goode and Bean
	<i>Helicolenus dactylopterus</i> (De la Roche)		<u>Oregon</u> Station 963 1554 1938 2035 2045 2075 2250 2308 2667
	<u>Oregon</u> Station 1450 <u>Silver Bay</u> Station 216 217 218 226 228 475 1280 1610 1611 3076 3081 3082		<u>Silver Bay</u> Station 8 222 352 358 395 915 1219 1220 1226 1227 1238 1268 1291 1298 1299 1484 1485 1504 1525 1553 1562 1563 1564 1629 2183 2435 2633
	<u>Combat</u> Station 171 201 289 290 291 294 319 410 435 436 441 462 463 467 476		<u>Combat</u> Station 316 333 335 339 353 396 397 427 428 455 497
	<u>Pelican</u> Station 13 16 27 34 37 41 43		<u>Pelican</u> Station 34
	<i>Helicolenus dactylopterus maderensis</i> (Goode and Bean)		<i>Scorpaena dispar</i> Longley and Hildebrand
	<u>Oregon</u> Station 2670 2671 2672 2673 2674		<u>Oregon</u> Station 2065 2631
	<u>Silver Bay</u> Station 216 218 226 475 1609		<u>Silver Bay</u> Station 281 1534 2360
	<u>Combat</u> Station 183 289 290 291 294 319 365 435 436 441 462 463 467 475		<i>Scorpaena granicornis</i> Cuvier and Valenciennes
	<i>Neomeriothe beanorum</i> (Evermann and Marsh)		<u>Oregon</u> Station 1416
	<u>Oregon</u> Station 1343 1868 1877 1894 1902 1903 1904 2603 2649 2653 2658		
	<u>Silver Bay</u> Station 2462 2471 2472		
	<u>Combat</u> Station 448		
	<i>Neomeriothe pollux</i> (Poe)		
	<u>Silver Bay</u> Station 127 157 461 1283		

SCORPAENIDAE (contd.)	<i>Scorpaena inermis</i> Cuvier	PERISTEDIIDAE (contd.)	<i>Peristedion imberbe</i> (Poey)
	<u>Oregon</u> Station 1892 1938 2616 2630 2631		<u>Oregon</u> Station 603 2289 2775 2782
	<u>Silver Bay</u> Station 59 2451		<u>Silver Bay</u> Station 435 1635
	<u>George M. Bowers</u> Station 50		<i>Peristedion longispinum</i> (Goode and Bean)
	<i>Scorpaena plumieri</i> Bloch		<u>Oregon</u> Station 1011 1016 1321 1345 1568 1581 2353 2775 2777 2779
	<u>Oregon</u> Station 2348		<u>Silver Bay</u> Station 211 218 220 221 226 227 228 1607 1608
	<u>Silver Bay</u> Station 438 2361		
	<i>Setarches parmatus</i> Goode		
	<u>Oregon</u> Station 1010 1011 1342 1450 1455 1502 1505 1526 1527 1537 1538 1539 1543 1547 1548 1562 1563 1564 1568 1569 1570 1573 1579 1761 1870 1883 1885 1889 1903 1920 1921 1923 1924 1925 1926 1933 1939 1943 1951 1952 1992 2000 2007 2008 2080 2083 2285 2319 2604 2639 2651 2673 2780 2825		<u>Combat</u> Station 186 238 288 291 295 296 300 307 310 312 313 314 317 322 323 324 325 331 332 430 431 433 434 435 436 438 441 442 453 460 473 475 476 479 484
	<u>Silver Bay</u> Station 212 213 214 217 218 220 223 224 225 226 227 234 442 458 479 1179 1180 1192 1198 1199 1608 1609 2075 2464 2482 3081 3082		<u>Pelican</u> Station 10 11 13 20 27 29 37 58 57 77
			<i>Peristedion minutum</i> Good
	<u>Silver Bay</u> Station 212 213 214 217 218 220 223 224 225 226 227 234 442 458 479 1179 1180 1192 1198 1199 1608 1609 2075 2464 2482 3081 3082		<u>Oregon</u> Station 1016 1441 1455 1456 1508 1509 1514 1519 1524 1526 1527 1537 1538 1539 1546 1548 1556 1557 1561 1563 1961 1962 1963 1968 2775
	<u>Combat</u> Station 82 90 229 238 289 300 302 317 324 325 331 410 436 441 453 468 474 475 479 484 491		<u>Silver Bay</u> Station 154 155 156 1184
	<u>Pelican</u> Station 13		<u>Combat</u> Station 78
	<i>Trachyscorpia cristulata</i> (Goode and Bean)		<u>Pelican</u> Station 16
	<u>Oregon</u> Station 2670 2674		<i>Peristedion platycephalum</i> (Goode and Bean)
	<u>Silver Bay</u> Station 217 228 475 716		<u>Oregon</u> Station 2035
	<u>Combat</u> Station 316 319 324 433 435 436 462 463 468 472 462 468		<u>Silver Bay</u> Station 221
	<u>Pelican</u> Station 29 40 77		<u>Combat</u> Station 445
PERISTEDIIDAE	<i>Peristedion gracile</i> Goode and Bean	TRIGLIDAE	<i>Peristedion spiniger</i> Longley and Rildebrand
	<u>Oregon</u> Station 1451 1452 1456 1504 1508 1516 1517 1521 1524 1525 1527 1528 1537 1538 1539 1540 1541 1542 1543 1546 1547 1548 1550 1551 1556 1562 1563 1564 1565 1567 1568 1570 1573 1577 1578 1579 1961 1962 1971 1972 1983 1986 2005 2023 2650 2651		<u>Oregon</u> Station 1019 2030
	<u>Silver Bay</u> Station 51 155 156 157		<u>Combat</u> Station 317
	<u>Combat</u> Station 82 436 441 444		<u>Pelican</u> Station 16 20 61
	<u>Pelican</u> Station 9 10 11 13 20		<i>Bellator brachy chir</i> (Regan)
			<u>Oregon</u> Station 1868 1902 2066
			<u>Silver Bay</u> Station 2445 2467 2482
			<i>Bellator egretta</i> (Goode and Bean)
			<u>Oregon</u> Station 1025 1553 1554 1868 1879 1883 1983 2035
			<u>Silver Bay</u> Station 461 2170 2390 2467 2482 2487
			<u>Combat</u> Station 68 90 457
			<u>Pelican</u> Station 16
			<i>Bellator militaris</i> (Goode and Bean)
			<u>Oregon</u> Station 1004 1060 1303 1553 1554 1903 1999 2036

TRIGLIDAE (contd.)	<u>Silver Bay</u> Station	35	1234	2138	TRIDIDAE (contd.)	<u>Prionotus roseus</u> Jordan and Evermann			
		1341	1557	1558		<u>Oregon</u> Station	873	2036	2044
		1568	2147	2382		<u>Silver Bay</u> Station	8	352	422
		2386	2389	2398			1268	1341	1523
		2400	2413	2523			1557	2394	2827
	<u>Combat</u> Station	68	94	97			2585	2587	2591
		98	99	333			2593	2633	
		337	338	509		<u>Combat</u> Station	90	283	320
	<u>Pelican</u> Station	14					339		
	<u>Prionotus alatus</u> Goode and Bean					<u>Prionotus rubio</u> Jordan			
	<u>Oregon</u> Station	864				<u>Oregon</u> Station	1654		
	<u>Silver Bay</u> Station	438	448	460		<u>Silver Bay</u> Station	3	4	5
		461	466	489			6	12	44
		2147	2170	2381			178		
		2383	2390	2728		<u>Prionotus scitulus</u> Jordan and Gilbert			
	<u>Combat</u> Station	448	454	489		<u>Oregon</u> Station	863	993	
	<u>Pelican</u> Station	16				<u>Silver Bay</u> Station	1529	1562	2525
	<u>Prionotus beanii</u> Goode						2552	2578	2579
	<u>Oregon</u> Station	1983	1986	2016			2587		
		2018	2032	2044		<u>Prionotus stearnsi</u> Jordan and Swain			
	<u>Prionotus carolinus</u> (Linnaeus)					<u>Oregon</u> Station	1060	1303	1343
	<u>Silver Bay</u> Station	1204	1205	1210			1345	1496	1513
		1212	1213	1220			1514	1554	1558
		1223	1226	1228			1692	1983	1988
		1238	1240	1242			1989	2001	2012
		1243	1250	1255			2016	2021	2022
		1262	1263	1264			2203	2633	2799
		1270	1271	1272		<u>Silver Bay</u> Station	401	438	461
		1284	1396	1523			1671	2383	2389
		1621	1673	2170			2482		
		2525	2532	2536		<u>Prionotus tribulus</u> Cuvier			
		2578	2579			<u>Oregon</u> Station	854		
	<u>Combat</u> Station	158	283	335		<u>Silver Bay</u> Station	2579	2947	
		336	339	424		<u>Prionotus volitans</u> (Linnaeus)			
	<u>Pelican</u> Station	39				<u>Oregon</u> Station	1380	1589	1591
	<u>Prionotus evolans</u> (Linnaeus)						1934	1935	1937
	<u>Silver Bay</u> Station	1257	1523	1621			1997	1998	2000
		2853					2041	2136	2198
	<u>Combat</u> Station	283	335				2221	2237	2249
	<u>Prionotus gracile</u>						2250	2262	2344
	<u>Oregon</u> Station	1989					2613		
	<u>Prionotus martinis</u> Ginsburg					<u>Silver Bay</u> Station	1358	1360	
	<u>Oregon</u> Station	968	1719			<u>Abudefduf saxatilis</u> (Linnaeus)			
	<u>Silver Bay</u> Station	59	60			<u>Silver Bay</u> Station	227	454	470
	<u>Prionotus opbryas</u> Jordan and Swain						471		
	<u>Oregon</u> Station	1938				<u>Combat</u> Station	290	308	310
	<u>Silver Bay</u> Station	417	1233	1523			315	320	336
		1558	2362	2394			448	459	462
		2438				<u>Pelican</u> Station	7	8	
	<u>Prionotus paralatus</u> Ginsburg					<u>Cromis ochrysurus</u> Jordan and Gilbert			
	<u>Oregon</u> Station	1082	1088	1985		<u>Oregon</u> Stictico	892	896	963
		2001	2016			<u>Silver Bay</u> Station	52	152	209
	<u>Combat</u> Station	448	489				391	399	437
	<u>Prionotus pectoralis</u> Nichols and Breder						708	731	1230
	<u>Oregon</u> Station	870	1088				1244	1534	1548
	<u>Silver Bay</u> Station	178	438	2945			2083	2435	
	<u>Combat</u> Station	333	334	425		<u>George M. Bowers</u> Station	37		
	<u>Prionotus punctatus</u> (Bloch)					<u>Cromis flavicauda</u>			
	<u>Oregon</u> Station	859	1985	1999		<u>Oregon</u> Station	1875	2034	2054
		2001	2016	2018			2063	2065	2085
		2020	2035	2036			2086		
		2037	2038	2039		<u>Cromis insolatus</u> (Cuvier)			
		2045	2046	2225		<u>Oregon</u> Station	725	892	1345
	<u>Combat</u> Station	428					1692	1693	1698
							1702	1795	1875
							2625	2631	
						<u>Combat</u> Station	71		

POMACENTRIDAE (contd.)	<u>Eupomacentrus partitus</u> (Poey)	Oregon Station	2630	LARRIDAE (contd.)	Silver Bay Station	1208	1218	1230	
						1231	1237	1239	
Eupomacentrus <u>xanthurus</u> Poey		Oregon Station	902 967	SCARIDAE	Silver Bay Station	1245	1247	1259	
						1265	1270	1271	
Eupomacentrus <u>variabilis</u> (Castelnau)		Oregon Station	902 1692 1693 1702 1719	SCARIDAE	Silver Bay Station	1272	1293	1295	
						1344	1358	1506	
EXILARIUS <u>concolor</u> (Gill)		Silver Bay Station	53 581	SCARIDAE	Silver Bay Station	1507	1508	1523	
						1745	2057	2149	
LAERIDAE	<u>Bodianus pulchellus</u> Poey	Oregon Station	1875	SCARIDAE	Silver Bay Station	2157	2188	2263	
						2580			
<u>Clepticus parrai</u> (Bloch and Schneider)		Combat Station	428	SCARIDAE	Silver Bay Station	39			
						Xyrichtys sp.			
<u>Stegastes chrysurus</u> (Cuvier and Valenciennes)		Oregon Station	2355	SCARIDAE	Oregon Station	2355			
						Silver Bay Station	709		
<u>Decodon puellaris</u> (Poey)		Silver Bay Station	438	SCARIDAE	Combat Station	386			
						<u>Cryptotomus roseus</u> Cope			
<u>Doratonotus megalepis</u> Günther		Oregon Station	945 1867 1878 1879 1986 1987 2015 2064 2085 2259 2355 2607 2655 2662 2890	SCARIDAE	Silver Bay Station	1998	2628		
						Silver Bay Station	153	1548 2361	
<u>Halichoeres bimaculatus</u> (Bloch and Schneider)		Silver Bay Station	397	SCARIDAE	Nicholsina <u>usta</u> (Valenciennes)	2078	2262	2267	
						2268	2340	2341	
<u>Halichoeres bivittatus</u> (Bloch)		Oregon Station	2617	SCARIDAE	Silver Bay Station	2343			
						Silver Bay Station	415	417	
<u>Halichoeres batophyllum</u> Beebe and Tee-Van		Silver Bay Station	415 709	SCARIDAE	Scarus <u>coelestinus</u> (Valenciennes)	397			
						Silver Bay Station			
<u>Halichoeres dimidiatus</u>		Oregon Station	90	SCARIDAE	Scarus <u>croicensis</u> Bloch	2087			
						Silver Bay Station	500		
<u>Halichoeres radiatus</u> (Linnaeus)		Oregon Station	2086	SCARIDAE	Sparisoma <u>chrysopterum</u> (Bloch and Schneider)	2062	2087	2273	
						Sparisoma <u>radians</u> (Valenciennes)			
<u>Halichoeres poeyi</u> (Steindachner)		Silver Bay Station	1554 1563	SCARIDAE	Oregon Station	2607			
						Silver Bay Station	1208	1218 1338	
<u>Halichoeres stellatus</u> (Linnaeus)		Oregon Station	892 1696 1996 2236 2246 2247 2248 2257 2273 2274 2330 2622	GOBIIDAE	Eretmichthys <u>smaragdus</u> (Cuvier and Valenciennes)	2439			
						Silver Bay Station	438		
<u>Leptosimias maximus</u> (Walbaum)		Silver Bay Station	152 342 364 502 720 722 723 880 986 1061 1062 1099 1207 1218 1294 1299 1506 2138 2359 2533	ECHENEIDAE	Coryphopterus <u>glaucofasciatus</u> Cope	Evermannichthys <u>metzelaari</u> Buhns	1697		
						Silver Bay Station	346		
<u>Thalassoma bifasciatum</u> (Bloch)		Oregon Station	1720 1721 1722 2466	ECHENEIDAE	Gobionellus <u>stigmaphilus</u> Mead and Böhlke	1938			
						Silver Bay Station	389	1284 1288	
<u>Thalassoma lineatum</u> (Linnaeus)		Silver Bay Station	438	ECHENEIDAE	Phtherichthys <u>lineatus</u> (Menzies)	1326			
						Silver Bay Station	1055	1605	
<u>Xyrichtys psittacus</u> (Linnaeus)		Oregon Station	1560 1680 1707 1715 3138	ECHENEIDAE	Remora <u>remora</u> (Linnaeus)	1158	1170	1370	
						Silver Bay Station	1594	1595 1604	
		Oregon Station	1599	ECHENEIDAE	Rhombochirus <u>osteochir</u> (Cuvier)	1606	1609		
						Silver Bay Station	1045 1585 1596	1168 1595 1596	

DRACONETTIDAE	<i>Draconetta acanthopoma</i> Regan	PERCOPHIDIDAE (contd.)	1971	172	2203
	<u>Combat</u> Station		2547	2775	2825
	310 436 439		3168	3172	3173
Draconettidae	<i>Draconetta oregonae</i> Briggs and Berry	<u>Silver Bay</u> Station	155	156	157
	<u>Oregon</u> Station		170	212	217
	2080 2081 2082		221	224	227
CALLIONYMIDAE	<i>Callionymus agassizii</i> (Goode and Bean)	<u>Combat</u> Station	231	234	235
	<u>Silver Bay</u> Station		249	441	1177
	2075		1178	1179	1193
Callionymidae	<u>Combat</u> Station	<u>Pelican</u> Station	1199	1611	2070
	285 288 319		2076	3458	2469
	<u>Pelican</u> Station		462	463	464
Callionymidae	<i>Callionymus bairdi</i> Jordan	<u>Silver Bay</u> Station	467	479	482
	<u>Silver Bay</u> Station		9	10	13
	2360		20	25	26
Callionymidae	<i>Callionymus bimantophorus</i> Goode and Bean	<u>Bembrops macromma</u> Ginsburg	28	29	
	<u>Oregon</u> Station		<u>Oregon</u> Station	1879	1918
	1513 1537 1538		1951	1952	1930
Callionymidae	1539 1540 1541		2670	2671	2669
	1542 1543 1546	<u>Silver Bay</u> Station	1878	1882	1883
	1547 1548 1550		1885	1886	1903
Callionymidae	1556 1830 2013		1903	1904	1906
	2080 2081 2082		1913	1915	1917
	2285 2651		1919	1926	1945
Callionymidae	<u>Silver Bay</u> Station		1961	1982	1985
	463 484 486		1984	1985	1989
	487 491 2381		2005	2008	2021
Callionymidae	2383 2420 3081	<u>Bembrops</u> sp.	2023	2658	
	<u>Combat</u> Station		<u>Oregon</u> Station	1085	1701
	183 281 285		1868	1870	1871
Callionymidae	286 319 438		1878	1882	1883
	453 463 467		1885	1886	1903
	468		1903	1904	1906
Callionymidae	<i>Callionymus</i> sp.		1913	1915	1917
	<u>Oregon</u> Station		1919	1926	1945
	2013 2082		1961	1982	1985
Callionymidae	<u>Silver Bay</u> Station		1984	1985	1989
	463 484 486		2005	2008	2021
	487 491		2023	2658	
Callionymidae	<u>Combat</u> Station	<u>Silver Bay</u> Station	100	212	213
	285 288 319		217	218	317
	438 453 463		441	442	469
Callionymidae	<i>Synchiropus</i> sp.		<u>Combat</u> Station	450	
	<u>Combat</u> Station		2775	2825	3168
	222		3172	3173	
CHIASMODONTIDAE	<i>Kali</i> sp.	<u>Silver Bay</u> Station	155	156	157
	<u>Oregon</u> Station		170	212	217
	2944		221	224	227
Pseudoscopelidae	<i>Pseudoscopelus altipinnis</i>		231	234	235
	<u>Oregon</u> Station		249	441	1177
	2507		1178	1179	1193
Pseudoscopelidae	<i>Pseudoscopelus scriptus</i> Lütken		1199	1611	2070
	<u>Oregon</u> Station		2076	3458	2469
	1599 1606 2191		<u>Combat</u> Station	2	7
Pseudoscopelidae	<i>Pseudoscopelus</i> sp.		16	18	21
	<u>Oregon</u> Station		32	38	279
	2567 2944 2945		281	314	316
Pseudoscopelidae	<i>Bembrops anatirostris</i> Ginsburg		317	330	332
	<u>Oregon</u> Station		462	463	464
	156 265 269		467	479	482
Pseudoscopelidae	277 696 864		<u>Pelican</u> Station	9	10
	2203 2799		20	25	26
	<i>Bembrops goboides</i> (Goode)		28	29	
Pseudoscopelidae	<u>Oregon</u> Station	<u>Bembrops</u> sp.	<u>Silver Bay</u> Station	100	212
	266 270 272		217	218	317
	472 1011 1442		441	442	469
Pseudoscopelidae	1446 1453 1454		<u>Oregon</u> Station	1085	1701
	1455 1456 1460		1868	1870	1871
	1501 1502 1504		1878	1882	1885
Pseudoscopelidae	1508 1509 1510		1885	1886	1902
	1513 1514 1516		1903	1904	1906
	1517 1518 1519		1913	1915	1917
Pseudoscopelidae	1521 1524 1525		1919	1926	1945
	1526 1527 1528		1981	1982	1983
	1529 1530 1537		1984	1985	1989
Pseudoscopelidae	1539 1540 1542		2005	2008	2021
	1543 1550 1557		2023	2658	
	1558 1562 1563		<u>Silver Bay</u> Station	100	212
Pseudoscopelidae	1564 1565 1567		217	218	317
	1568 1569 1570		441	442	469
	1572 1573 1574		<u>Combat</u> Station	450	
Pseudoscopelidae	1577 1578 1579		<u>Bembrops</u> sp.		
	1580 1581 1903		<u>Oregon</u> Station	1085	1701
	1906 1918 1920		1868	1870	1871
Pseudoscopelidae	1922 1923 1924		1878	1882	1885
	1925 1928 1929		1885	1886	1902
	1932 1933 1942		1903	1904	1906
Pseudoscopelidae	1943 1945 1949		1913	1915	1917
	1953 1954 1961		1919	1926	1945
	1962 1963 1964		1981	1982	1983
Pseudoscopelidae	1965 1968 1969		1984	1985	1989
			2005	2008	2021
			2023	2658	
Percophididae	<i>Bembrops</i> sp.	<u>Silver Bay</u> Station	100	212	213
			217	218	317
			441	442	469
Percophididae	<u>Combat</u> Station		<u>Pelican</u> Station	9	10
			20	25	26
			28	29	
Percophididae	<i>Bembrops macromma</i> Ginsburg	<u>Bembrops</u> sp.	<u>Silver Bay</u> Station	100	212
	<u>Oregon</u> Station		217	218	317
	1879 1918 1930		441	442	469
Percophididae	1951 1952 1969		<u>Oregon</u> Station	1085	1701
	2670 2671 2671		1868	1870	1871
			1878	1882	1885
Percophididae	<u>Silver Bay</u> Station		1885	1886	1902
	2458		1903	1904	1906
			1913	1915	1917
Percophididae	<u>Combat</u> Station		1919	1926	1945
			1981	1982	1983
			1984	1985	1989
Percophididae	<u>Pelican</u> Station		2005	2008	2021
			2023	2658	
			<u>Silver Bay</u> Station	100	212
Percophididae	<u>Bembrops</u> sp.		217	218	317
			441	442	469
			<u>Combat</u> Station	450	

PERCOPHIDAE (contd.)	<u>Chromystax</u> <u>squamiferum</u> sp. nov.	CLINIDAE (contd.)	<u>Labrisomus</u> <u>nuchipinnis</u> (Quoy and Gaimard)
	Oregon Station 1891		Oregon Serrana Bank
OPISTHOGNATHIDAE	<u>Lonchopisthus</u> <u>higmani</u> Mead		<u>Labrisomus</u> <u>schmidti</u>
	Oregon Station 2017 2226 2229 2235 2236 2276		Oregon Station 1874
	<u>Lonchopisthus</u> <u>lindneri</u> Ginsburg		<u>Malacoctenus</u> <u>aurolineatus</u>
	Oregon Station 1004		Oregon Serrana Bank
	Silver Bay Station 2409		<u>Malacoctenus</u> <u>gilli</u> (Steindachner)
	<u>Opistognathus</u> <u>longhursti</u> Jordan and Gilbert		Oregon Serrana Bank
	Oregon Station 2654		<u>Starkeia</u> <u>ocellata</u> or <u>Malacoctenus</u> <u>ocellatus</u> (Steindachner)
	Silver Bay Station 1788		Silver Bay Station 438
	<u>Opistognathus</u> sp.		<u>Starksia</u> <u>bassi</u>
	Oregon Station 2262		Oregon Station 2659
URANOSCOPIDAE	<u>Arioscopus</u> <u>egregius</u> (Jordan and Thompson)	BLENNIIDAE	<u>Blennius</u> <u>cristatus</u> Linnaeus
	Oregon Station 1011 2799		Silver Bay Station 438
	<u>Astroskopos</u> <u>y-gracuum</u> (Cuvier)		<u>Rupisarcetes</u> <u>atlanticus</u> (Cuvier and Valenciennes)
	Silver Bay Station 12 1335 1348 1389 1457 2150		Silver Bay Station 438
	<u>Gnathagnus</u> <u>laticeps</u> (Longley and Hildebrand)		<u>Salarichthys</u> <u>textilis</u> Quoy and Gaimard
	Oregon Station 1524 1526 1530 1538 1548 1557 1562 1563 1564 1567 1568 1573 1574 1577 1578 1580 1661 1671 1701 1707 1708 1961 1962 1963 1964 2203 2527	ZOARCIDAE	Silver Bay Station 358 438
	Silver Bay Station 2482		<u>Lycodes</u> <u>brunneus</u>
	Combat Station 76 304		Silver Bay Station 1195
	<u>Kathetostoma</u> <u>albigutta</u> (Bean)		<u>Melanostigma</u> sp.
	Oregon Station 879 1303 1499 1500 1631		Silver Bay Station 454 1195
	Silver Bay Station 160 422 437 438 532 1268 1342 1393 1504 1505 1523 1557 1545 1550 1622 1670 2535 2763	BROTULIDAE	<u>Acanthonus</u> sp.
	Combat Station 333 334 354 396 424 427 454		Oregon Station 2567
	George M. Bowers Station 50		<u>Barathronus</u> <u>bicolor</u> Goode and Bean
	<u>Katbetostoma</u> <u>cubana</u> Barbour		Oregon Station 1908 North Easter Gulf, station not known
	Oregon Station 1878 2603 2633		<u>Bassozetus</u> <u>normalis</u> Gill
	Silver Bay Station 2445 2464 2467 2469 2470 2472 2477 2480 2482		Oregon Station 1303
DACTYLOSCOPIDAE	<u>Dactyloscopus</u> sp.		<u>Bassozetus</u> sp. ?
	Silver Bay Station 1537		Oregon Station 2574
CLINIDAE	<u>Enneapterygius</u> <u>jordani</u> (Evermann and Marsh)		<u>Brotula</u> <u>barbata</u> (Bloch and Schneider)
	Oregon Arcas Cay		Oregon Station 1500 2258 2901
	<u>Paracinius</u> <u>grandisoma</u> (Rosen)		Silver Bay Station 294 434
	Oregon 2355		<u>Dicrolene</u> <u>introsigra</u> Goode and Bean
	<u>Labrisomus</u> <u>bucciferus</u> Poey		Oregon Station 1955 2202
	Oregon Serrana Bank		<u>Dicrolene</u> <u>kanazawai</u> Grey
	<u>Labrisomus</u> <u>gobio</u>		Oregon Station 1303 2821
	Oregon Serrana Bank		<u>Lamprigammus</u> <u>niger</u> Alcock
	<u>Labrisomus</u> <u>guppyi</u> (Norman)		Oregon Station 1955
	Oregon Serrana Bank		<u>Monomitonops</u> <u>agassizi</u> (Goode and Bean)
			Oregon Station 1955
			<u>Nematomus</u> sp.
			Oregon Station 2567
			<u>Neobytites</u> <u>gilli</u> Goode and Bean
			Oregon Station 1019 1878 2799
			<u>Neobytites</u> <u>marginatus</u> Goode and Bean
			Oregon Station 1539 1947
			Silver Bay Station 1190
			<u>Neobytites</u> sp.
			Oregon Station 1341 1343 1560 2081

BROTHLIDAE (contd.)	<u>Silver Bay</u> Station	441	OPHIDIIDAE (contd.)	<u>Combat</u> Station	333	335	341		
	<u>Combat</u> Station	448			497				
<u>Penopeltis microphthalmus</u> Vaillant			<u>Ophidion</u> sp. nov.						
	<u>Oregon</u> Station	1303		<u>Oregon</u> Station	2249	2291			
<u>Porogadus miles</u> Goode and Bean				<u>Silver Bay</u> Station	247				
	<u>Oregon</u> Station	1303	2574	<u>Combat</u> Station	515	526			
<u>Porogadus subarmatus</u> Vaillant				<u>Pelican</u> Station	68				
	<u>Oregon</u> Station	1303		<u>Otopholidium grayi</u>					
OPHIDIIDAE	<u>Lepophidium aporrox</u> Robins				<u>Oregon</u> Station	2089			
	<u>Oregon</u> Station	1864	2016	2017	<u>Silver Bay</u> Station	1329	2587	2617	
		2023	2032	2045	<u>Combat</u> Station	341	342	408	
		2074	2208	2226					
		2236	2248		<u>Otopholidium omostignum</u> (Jordan and Gilbert)				
	<u>Lepophidium brevibarbe</u> (Cuvier)				<u>Silver Bay</u> Station	1537	1644		
		<u>Oregon</u> Station	1341	1870	1902	<u>Otopholidium</u> sp.			
			2203	2288	2290	<u>Combat</u> Station	158		
		<u>Silver Bay</u> Station	12		<u>Varicus bucca</u> Robins and Böhlke				
	<u>Lepophidium cervinum</u> (Goode and Bean)				<u>Oregon</u> Station	2627			
		<u>Oregon</u> Station	2024		<u>Carapus bermudensis</u> (Jones)				
		<u>Silver Bay</u> Station	220	458	1552	<u>Oregon</u> Station	1994		
			1670	2731	2732	<u>Batrachoides surinamensis</u> (Schneider)			
		<u>Combat</u> Station	94	225	334	<u>Oregon</u> Station	2055		
			454	458	460				
			462	475	488	<u>Nautopredium porosissimum</u> (Valenciennes)			
			489	490	491	<u>Oregon</u> Station	1495	1497	1499
			492				1533	1535	1536
		<u>Pelican</u> Station	16	61			2203	2439	2687
	<u>Lepophidium gracilis</u> (Poey)						2867	2869	2878
		<u>Oregon</u> Station	2226	2236	2348		2898	2904	
	<u>Lepophidium jamaicanum</u> Fowler				<u>Silver Bay</u> Station	8	54	128	
		<u>Silver Bay</u> Station	1268	1557	1558		170	395	1212
			2190	2594	2598		1213	1226	1227
			2407	2710			1250	1257	1268
	<u>Lepophidium marmoratum</u> (Goode and Bean)					1284	1291	1484	
		<u>Oregon</u> Station	1340	1341	1342		1739	1969	2192
			1343				2354	2355	2357
		<u>Combat</u> Station	278	446			2376	2407	2409
	<u>Lepophidium phaeostomax</u> Robins						2410	2412	2436
		<u>Oregon</u> Station	1999	2000	2001		2438	2440	2541
			2249	2250	2259	<u>Combat</u> Station	161	303	
			2261	2276	2281				
			2308a	2318		<u>Nautopredium</u> sp.			
	<u>Lepophidium profundorum</u> (Cill)				<u>Oregon</u> Station	1879	2348		
		<u>Oregon</u> Station	1879		<u>Oceanus beta</u> (Goode and Bean)				
		<u>Combat</u> Station	235		<u>Oregon</u> Station	1795			
	<u>Lepophidium staurophor</u> Robins				<u>Silver Bay</u> Station	70			
		<u>Oregon</u> Station	1878	1894	1904	<u>Opsanus pardus</u> (Goode and Bean)			
	<u>Lepophidium kallion</u> Robins				<u>Oregon</u> Station	901	967	2135	
		<u>Oregon</u> Station	1340	2645	2647	<u>Silver Bay</u> Station	66	116	132
	<u>Lepophidium</u> sp. nov.					142	143	144	
		<u>Oregon</u> Station	2016	2208	2262	<u>Porichthys</u> sp.			
			2298			<u>Oregon</u> Station	2226	2244	2261
		<u>Silver Bay</u> Station	1537	1968	2470				
			2472	2479					
		<u>Combat</u> Station	236	334	519	<u>Cobitops strumosus</u> Cope			
	<u>Ophidion holbrookii</u> (Putnam)					<u>Silver Bay</u> Station	856		
		<u>Oregon</u> Station	2268			<u>Hollandia bollardi</u> Poey			
		<u>Silver Bay</u> Station	775	1212	1213	<u>Oregon</u> Station	1054	1882	1883
			1220	1257	1402		1885	1887	1923
			1566	2594	2410		1934	2351	2618
			2438	2536	2586		2651	2652	
			2617	2672		<u>Johnsonina ericma</u> Myers			
						<u>Oregon</u> Station	1342	1343	1903
							2606	2623	2647
							2650		
						<u>Parabollardia lineata</u> (Longley)			
						<u>Oregon</u> Station	278		
						<u>Silver Bay</u> Station	1670		

TRIACANTHODIDAE (contd.)	<u>Parahollardia schmidti</u> Woods	MONACANTHIDAE (contd.)	<u>Aluterus schoepfii</u> (Walbaum)
	<u>Oregon</u> Station 1867 1868 1895		<u>Oregon</u> Station 1583 1589 1638 1639 1649 1688 1689 1719 2545
BALISTIDAE	<u>Balistes capriscus</u> Gmelin		<u>Silver Bay</u> Station 6 153 159 162 342 1208 1209 1210 1215 1218 1224 1226 1227 1230 1236 1239 1242 1249 1250 1252 1254 1258 1270 1271 1291 1294 1295 1296 1297 1307 1308 1310 1311 1317 1345 1537 1638 1639 1649 2077 2080 2133 2137 2140 2411 2438 2525 2533
	<u>Oregon</u> Station 1170 1174 1356 1370 1372 1374 1380 1583 1585 1587 1589 1593 1602		
	<u>Silver Bay</u> Station 1 501 401 923 1237 1271 1354 1357 1499 1523 1525 2138 2140 2143 2325 2533		
	<u>Combat</u> Station 436 438 451 455 457 458 459 462 465		
	<u>Balistes carolinensis</u> Gmelin		<u>Combat</u> Station 348
	<u>Oregon</u> Station 634 1638 2440		<u>Monacanthus ciliatus</u> (Mitchill)
	<u>Silver Bay</u> Station 5 6 14 153 158 159 161 164 169 1157 1160 1216 1217 1231 1508 2137 2149		<u>Oregon</u> Station 901 936 1021 1554 1575 1705 1706 1707 1716 1720 1892 1935 1958 2000 2174 2198 2232 2246 2247 2276
	<u>Combat</u> Station 71		<u>Silver Bay</u> Station 71 91 98 110 152 153 401 404 417 470 471 476 710 711 772 1205 1208 1218 1288 2412 2440 2507
	<u>Balistes vetula</u> Linnaeus		
	<u>Oregon</u> Station 1866 1934 1935 1936 1937 2618		<u>Combat</u> Station 295 315 333 336 339 458 448 455 457 459 462
	<u>Canthidermis maculatus</u> (Bloch)		
	<u>Oregon</u> Station 1234 1305		<u>Pelican</u> Station 7
	<u>Combat</u> Station 457 474		<u>George M. Bowers</u> Station 235 Eleuthera (our station) Hatchet Bay 3 miles offshore April 20-May 3, 1960
	<u>Canthidermis sobaco</u> (Poe)		Bahamas: 1 mile West of Cat Cay
	<u>Combat</u> Station 436		<u>Monacanthus tuckeri</u> Bean
	<u>Canthidermis sufflamen</u> (Mitchill)		<u>Silver Bay</u> Station 471
	<u>Oregon</u> Station 1134		<u>Stephanolepis hispidus</u> (Linnaeus)
	<u>Xanthichthys ringens</u> (Linnaeus)		<u>Oregon</u> Station 1477 1531 1533 1536 1553 1554 1583 1599 1602 1605 1616 1670 1698 1734 1935 1996 1998 1999 2000 2001 2017 2018 2019 2032 2035 2036 2040 2073 2196 2198 2232 2246 2247 2248 2276 2339 2535 2933
MONACANTHIDAE	<u>Aluterus guntheriana</u> Poey		<u>Silver Bay</u> Station 5 6 7 8 10 12 14 60 108 116 121 122 153 158 159 160 161 162 163 164 227 381 386 404 422 470 471 476 501 710 711 712 713 720 744 776 1204 1205 1209 1210 1211 1212 1213 1214 1215 1217 1221 1222 1226 1227 1228 1229 1230 1231 1237 1238 1239 1240 1245 1247 1248 1250 1257 1258 1259 1262 1268 1270 1271 1284 1288 1291 1293 1294 1295 1296 1297 1299 1305 1306 1307 1308 1309 1310 1311 1315 1316 1317 2458
	<u>Aluterus heudelotii</u> Hollard		
	<u>Oregon</u> Station 143 890 891 917 987 1060 1074 1133 1139 1589 2198		
	<u>Silver Bay</u> Station 6 8 9 14 159 1204 1205 1270		
	<u>Combat</u> Station 436 438		
	<u>Aluterus monoceros</u> (Linnaeus)		
	<u>Silver Bay</u> Station 1550 2951		
	<u>Combat</u> Statoo 459		
	<u>Aluterus scripta</u> (Osbeck)		
	<u>Oregon</u> Statoo 1035 1297 1525 1589 1590 1638 1639 1640 1705 2198 2514 2537		
	<u>Silver Bay</u> Station 342 471 476 711 713 744 929		
	<u>Combat</u> Station 438 443 459 462 474 485 490		
	<u>Aluterus ventralis</u> Longley		
	<u>Oregon</u> Station 1589 2248 2249		
	<u>Silver Bay</u> Station 501		
	<u>Combat</u> Station 158		
			<u>Combat</u> Statoo 289 297 315 316 336 347

MONACANTHIDAE
(contd.)

372 378 386
424 425 436
438 443 455
457 458 459
462 474 485
509

Pelican Station 15 39

George M. Bowers 50
Bahamas: 1 mile West of
Cat Cay, 6 fathoms, 7-22-55

Stephanolepis insignis

Oregon Station 1998 2000 2001
2036 2061 2238
2250

Stephanolepis setifer (Bennett)

Oregon Station 1935 1937 2196
2198

Silver Bay Station 470
Combat Station 296 326 328
336 339 343
436 438 455
457 459 462
474

George M. Bowers
Station 235

Stephanolepis varius

Oregon Station 1934

Amaneses pullus (Ranzani)

Oregon Station 792 1035 1089
2196

Silver Bay Station 446 929
Combat Station 70 436 457
459 474 485
490

OSTRACIDAE

Lactophrys bicaudalis (Linnaeus)

Silver Bay Station 341 502

Lactophrys quadricornis (Linnaeus)

Oregon Station 1553 1660 1673
1687 1696 1699
1703 1719 1720
1721 1724 1725
1765 1791 1797
1802 1892 2017
2153 2447 2448
2466 2537 2811
3066

Silver Bay Station 8 10 71
110 152 153
160 164 187
240 281 341
352 372 374
377 381 394
501 709 710
714 715 719
720 721 726
728 745 772
779 843 915
940 1007 1120
1208 1294 1297
1360 1507 1522
1526 1534 2078
2133 2140 2409
2410 2411 2438
2441 2451 2533
2581

Combat Station 67 158 321
347

Rhinecosmus trigonus (Linnaeus)

Silver Bay Station 850

Rhinecosmus triqueter (Linnaeus)

Oregon Station 896

Silver Bay Station 353

TETRADONTIDAE

Colomesus psittacus (Bloch and Schneider)

Oregon Station 2215 2325

Lagocephalus laevigatus (Linnaeus)

Oregon Station 1553 1554 1558
1628 1629 1636
1638 1654 1657
1663 1664 1671
1702 1717 1757
2898 2910 2925
2967 2984 2993
3015 3027 3039
3082 3124

Silver Bay Station 6 7 8
9 48 180

181 182 187

188 189 190

194 202 203

204 208 267

274 279 281

352 360 361

366 368 374

573 574 799

800 802 837

845 846 1208

1228 1259 1297

1348 1506 1507

2439 2441 2533

2545

Combat Station 71

Pelican Station 15

Sphoeroides dorsalis Longley

Oregon Station 892 901 1892
1895 2168 2249
2261

Silver Bay Station 384 390 404

422 433 437

1218 1233 1266

1268 1270 1273

1341 1523 1525

1526 1621 1669

1672 2078 2155

2344 2360 2410

2532 2542 2544

2579 2692 2721

2842a

Sphoeroides maculatus (Bloch and Schneider)

Silver Bay Station 1212 1213 1226

1227 1228 1240

1256 1265 1264

1308 1325 1396

1522 2533 2578

2579 2806 2842a

2913 2922 2949

Combat Station 312 383 425

Sphoeroides marmoratus (Ranzani)

George M. Bowers Station Eleuthera, Hatchet Bay
3 miles off-shore, April 20-

May 3, 1960

Sphoeroides nephelus (Goode and Bean)

Silver Bay Station 1213

Sphoeroides pachygaster (Müller and Troschel)

Oregon Station 1550

Silver Bay Station 438

Sphoeroides spengleri (Bloch)

Oregon Station 892 901 1892

1895 1834

TETRAODONTIDAE (contd.)	<u>Silver Bay</u> Station	153	404	438		Combat Station	81	221	227
		1207	1211	1217			228	290	300
		1218	1220	1222			363		
		1233	1297	1554					
		2158	2361	2439					
		2451	2543	2717					
		2719							
					ANTENNARIDAE				
	<u>Combat</u> Station	161	295	333		<u>Pelican</u> Station	73		
		391				<u>Antennarius multiocellatus</u> (Valenciennes)			
CANTHIGASTERIDAE	<u>Sphoeroides testudineus</u> (Linnaeus)					<u>Silver Bay</u> Station	2361		
	<u>Oregon</u> Station	2613				<u>Antennarius ocellatus</u> (Bloch and Schneider)			
	<u>Canthigaster rostrata</u> (Block)					<u>Oregon</u> Station	1494	1495	1531
DIOONTIDAE	<u>Oregon</u> Station	961	2355	2624	2631		1536		
	<u>Silver Bay</u> Station	1218	2435			<u>Silver Bay</u> Station	2383		
	<u>Combat</u> Station	353				<u>Combat</u> Station	496		
	<u>Chilomycterus antillarum</u> Jordan and Rutter					<u>Antennarius radiosus</u> ? Garman			
	<u>Oregon</u> Station	2058	2076			<u>Oregon</u> Station	920	2704	
	<u>Chilomycterus schoepfii</u> (Walbaum)					<u>Silver Bay</u> Station	222	2170	2203
	<u>Oregon</u> Station	1533	1535	1639			2381	2382	2383
		1672	1674	1675					
		1676	1679	1680					
		1681	1684	1685					
DIOONTIDAE		1686	1687	1688					
		1689	1690	1693					
		1694	1695	1697					
		1699	1705	1707					
		1711	1712	1717					
		1719	1721	1725					
		1727	1755	1773					
		1782	1783	1786					
		2562	2563	2564					
		2881							
DIOONTIDAE	<u>Silver Bay</u> Station	35	41	48		<u>Combat</u> Station	290	295	296
		59	71	116			297	302	310
		118	141	142			315	336	337
		153	160	162			339	356	436
		164	416	848			438	445	448
		916	1213	1222			451	455	458
		1296	1297	1393			459	462	474
		1537	1664	2078			485	490	
		2133	2288	2357					
		2409	2578	2579					
DIOONTIDAE	<u>George M. Bowers</u> Station	235				<u>Phrymelo nottingi</u> Garman			
						<u>Silver Bay</u> Station	1369		
DIOONTIDAE	<u>Diodon holocanthus</u> Linnaeus					<u>Chaunax pictus</u> Lowe			
	<u>Oregon</u> Station	1934				<u>Oregon</u> Station	1445	1446	1447
	<u>Silver Bay</u> Station	2361					1448	1450	1451
	<u>Combat</u> Station	474					1452	1453	1454
	<u>Diodon hystrix</u> Linnaeus						1456	1458	1460
	<u>Oregon</u> Station	1158	1365	1600			1537	1538	1539
		2962					1540	1541	1542
	<u>Silver Bay</u> Station	206	249				1543	1546	1547
	<u>Diodon maculifer</u> Kaup						1548	1550	1556
	<u>Oregon</u> Station	1489					1563	1566	1569
MOLIDAE	<u>Mola mola</u> (Linnaeus)						1577	1579	1869
	<u>Oregon</u> Station	1598					1871	1872	1883
	<u>Combat</u> Station	179					1885	1907	1908
	<u>Lophius americanus</u> Valenciennes						1919	1910	1911
	<u>Oregon</u> Station	2782					1912	1913	1914
	<u>Silver Bay</u> Station	458	459	1609			1915	1916	1918
		2170					1919	1920	1921
	<u>Combat</u> Station	284	290	300			1922	1923	1924
		504	462	494			1925	1928	1929
							1931	1932	1942
LOPHIIDAE	<u>Lophiodes sp.</u>						1943	1945	1946
	<u>Oregon</u> Station	1441	1453	1454			1947	1948	1949
		1455	1456	1530			1950	1952	1953
		1538	1539	1540			1954	1963	1969
		1542	1543	1546			2007	2009	2026
		1547	1548	1550			2030	2081	2082
		1557	1563	1565			2083	2084	2320
		1566	1568	1569			2606	2634	2636
		1872	1879	1885			2637	2638	2639
		1915	1917	1918			2647	2658	2669
LOPHIIDAE		2669	2670				2670	2671	2672
							2776	2777	2825
							3172		
LOPHIIDAE	<u>Silver Bay</u> Station	212	216	217					
		218	220	227					
		228	229	230					
		232	235	249					
		250	441	442					
		449	454	457					
		458	463	466					
		1180	1190	1191					
		1192	1193	1194					
		1195	1198	1201					
LOPHIIDAE		1203	1606	1607					
		2040	2062	2063					
		2064	2065	2067					
		2068	2069	2070					
		2074	2075	2076					
		2419	2420	2421					

CHAUNACIDAE
(contd.)2423 2457 2458
2469 2474 2477
2479 2483OGCOCEPHALIDAE
(contd.)Combat Station1 18 21
23 32 38
83 87 186
238 271 274
295 300 301
302 306 310
312 313 314
315 323 324
325 358 362
416 430 431
434 436 438
439 441 442
444 445 446
450 453 459
463 477 479
486Pelican Station18 20 27
29 36 38
43 51 57
75 76 77Silver Bay Station8 12 37
1219 1230 1231
1259 1268 1504
1534 1545 1622
2388 2389 2435
2467 2470 2523Combat Station76 236 238
336 350 383
425 427George M. Bowers Station

32 49 50

Halieutichthys caribbaeus GarmanOregon Station

1878

Combat Station

235

Halieutichthys sp.Oregon Station1986 1987 1997
2000 2015 2021
2221 2226 2231
2232 2234 2245
2246 2247 2248
2249 2273 2286
2303Dibranchus atlanticus PetersOregon Station1019 1425 1442
1447 1448 1450
1451 1452 1453
1455 1456 1505
1506 1538 1539
1540 1542 1543
1546 1547 1548
1550 1556 1564
1565 1568 1570
1572 1573 1574
1576 1578 1579
1580 1581 1872
1885 1909 1918
1925 1926 1927
1928 1929 1931
1942 1943 1945
1948 1949 1950
1962 1963 1965
1966 1967 1969
1971 2005 2007
2008 2009 2025
2026 2030 2084
2308 2319 2320
2637 2638 2670
2674 2775 2782
2825 3168 3169
3173Silver Bay Station212 214 216
217 218 220
224 225 226
227 228 229
232 235 236
250 445 454
457 458 460
468 470 1178
1179 1180 1181
1190 1191 1195
1196 1197 1199
1203 1551 1604
1605 1607 1608
1619 2062 2063
2064 2065 2067
2069 2070 2074
2075 2076 2420
2421 2458 2423Combat Station2 7 8
10 18 21
23 32 38
79 80 84
85 104 105
107 186 201
205 224 228
279 314 315
317 319 323
324 325 331
362 363 405
410 430 431
433 435 436
438 439 444
446Pelican Station13 17 20
26 27 28
57 66 76
77Ogcocephalus vespertilio (linnaeus)Oregon Station1494 1496 1533
1534 1535 1536
1688Silver Bay Station3 35 48
81 88 89
90 92 93
97 98 100
108 109 110
111 153 154
155 156 158
159 163 164
165 170 718Combat Station

94

Pelican Station7 8 14
21 22 23
24Ogcocephalus radiatus (Mitchill)Oregon Station1494 1496 1533
1534 1535 1536
1688Silver Bay Station165 166 167
437 1006 2389Ogcocephalus sp.Silver Bay Station12 222 1268
1621 1670Combat Station283 333 334
339 353 385
405 496Halieutichthys aculeatus (Mitchill)Oregon Station936 1004 1020
1303 1494 1495
1496 1699 1700
1701 1704 1706
1707 1713 1714
1771 2648 2649
2650

CERATIIDAE

Ceratias holboelli KroyerCombat Station

191

Cryptopsaras couesi GillOregon Station1448 2507 2944
2945 3103 3258Combat Station

11 42 84

DICERATIIDAE	<u>Diceratias bispicous</u> ? Günther		<u>Himantolophus groenlandicus</u> Reinhardt			
	<u>Oregon</u> Station	2010	2011			
	<u>Paroneirodes wedli</u> (Pietschmann)		<u>Oregon</u> Station	1486	1955	
	<u>Oregon</u> Station	1911	<u>Combat</u> Station	42		
	<u>Silver Bay</u> Station	1197	<u>Himantolophus compressus</u> Osorio			
ONEIRODIDAE	<u>Chaenophryne</u> sp.		<u>Combat</u> Station	421		
	<u>Oregon</u> Station	2567	<u>Melanocetus johnsoni</u> Günther			
	<u>Dolopichthys</u> sp.		<u>Silver Bay</u> Station	1277		
	<u>Oregon</u> Station	2573	<u>Melanocetus murrayi</u> Günther			
	<u>Oneirodes</u> sp.		<u>Oregon</u> Station	2201	2570	2575
	<u>Oregon</u> Station	2577	<u>Linophryne arborifera</u> Regan			
	<u>Oneirodes bradburyae</u> Grey		<u>Oregon</u> Station	2573	2576	3258
	<u>Oregon</u> Station	1028	<u>Silver Bay</u> Station	1607		
	<u>Thaumaticthys</u> sp. oov.		<u>Linophryne brevibarbis</u> Parr			
	<u>Oregon</u> Station	2567	<u>Pelican</u> Station	53		
HIMANTOLOPHIDAE	<u>Corynolophus reinhardtii</u> ? (Lütken)					
	<u>Pelican</u> Station	43				

Table 1.--M/V Oregon station list

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1430	17°30'	64°40'	1-18-56	--	--	--	81	--	--	Longline
1431	17°40'	68°05'	1-21-56	0917-1440	--	--	80	79	--	Longline
1432	16°29'	69°30'	1-22-56	0830-1415	--	--	79	79	--	Longline
1433	15°10'	71°10'	1-23-56	0730-1030	2400	--	82	79	--	Longline
1434	16°15'	77°50'	1-25-56	0740-1040	1200	--	--	79	--	Longline
1435	17°55'	80°22'	1-26-56	0830-1440	2000	--	80	78	--	Longline
1436	19°30'	81°50'	1-27-56	0835-1121	1600	--	76	78	--	Longline
1437	21°05'	81°10'	1-28-56	0830-1115	2200	--	75	77.5	--	Longline
1438	24°08'	85°25'	1-29-56	1445-1525	2064	--	--	76	--	Longline
1439	24°55'	86°45'	1-30-56	0840-1140	2160	--	74	76	--	Longline
1440	27°35'	87°37'	1-31-56	0830-1200	1580	--	66	63	--	Longline
1441	2°10'	88°05'	2-16-56	0325-0345	200	gy. gr. M.	67	66	52.3	40' flat trawl
1442	2°11'	88°03'	2-16-56	0845-0915	225-230	--	70	68	50	80' balloon trawl
1443	2°03'	88°12'	2-16-56	1410-1445	215	gy. M.	70	67	--	80' balloon trawl
1444	2°10'	88°02'	2-16-56	1730-1815	240	gy. M.	68	--	50.9	72' balloon trawl
1445	2°15'	87°54'	2-16-56	0030-0115	250	gy. gr. M.	70	67	--	72' balloon trawl
1446	2°17'	87°40'	2-17-56	0555-0630	260	M.	68	67	--	80' balloon trawl
1447	2°20'	87°30'	2-17-56	1330-1410	240	M.	69	64	--	80' balloon trawl
1448	2°35'	87°45'	2-17-56	2050-2125	240	--	70	67	--	72' balloon trawl
1449	2°33'	87°52'	2-17-56	0200-0245	250	M.	70	67	--	80' balloon trawl
1450	2°37'	87°41'	2-18-56	0805-0835	240	--	70	67	--	80' balloon trawl
1451	2°20'	87°25'	2-18-56	1315-1400	275	M.	70	67	--	80' balloon trawl
1452	2°13'	87°37'	2-18-56	1830-1910	260	M.	68	65-70	--	80' balloon trawl
1453	2°28'	87°07'	2-18-56	0200-0235	240	M.	70	68	--	80' balloon trawl
1454	2°22'	86°55'	2-19-56	0755-0835	225	M.	74	68	--	80' balloon trawl
1455	2°30'	87°08'	2-19-56	1410-1420	225	M.	74	68	9.75	80' balloon trawl
1456	2°31'	86°54'	2-19-56	2120-2155	225	M.	74	68	--	80' balloon trawl
1457	2°30'	87°10'	2-19-56	0330-0410	200	M.	70	68	--	80' balloon trawl
1458	2°24'	87°24'	2-19-56	1025-1105	240	M.	70	69	--	80' balloon trawl
1459	2°18'	87°56'	2-20-56	1520-1400	225-235	M.	70	69	--	80' balloon trawl
1460	2°17'	87°33'	2-20-56	1825-1910	265	M.	68	69	--	80' balloon trawl
1461	2°18'	87°44'	2-20-56	0100-0150	250	M.	60	--	--	80' balloon trawl
1462	2°13'	87°53'	2-22-56	1010-1030	200	gy. v.	70	68	--	80' balloon trawl
1463	2°15'	87°51'	2-22-56	0405-0435	200	gy. M.	70	68	--	80' balloon trawl
1464	2°13'	88°02'	2-23-56	1010-1035	200	gy. v.	70	68	--	80' balloon trawl
1465	2°14'	87°52'	2-23-56	1120-1420	215	gy. M.	70	68	--	80' balloon trawl
1466	2°12'	88°04'	2-23-56	2225-2300	215	M.	66	64	--	80' balloon trawl
1467	2°14'	87°11'	2-23-56	0525-0600	215	M.	65	65	--	80' balloon trawl
1468	2°14'	88°07'	3-23-56	0925-1106	1000	--	70	74	--	Longline
1469	2°13'	85°35'	3-23-56	0915-1210	1184	--	80	72	--	Longline
1470	2°40'	91°05'	3-25-56	--	140	--	70	--	--	Dip net
1471	2°40'	91°03'	3-25-56	--	1940	--	70	75	--	Longline
1472	2°45'	91°42'	3-26-56	--	2000	--	72	--	--	Dip net
1473	2°48'	91°40'	3-26-56	0550-0300	2000	--	70	76	--	Longline
1474	2°47'	92°25'	3-27-56	0900-1145	2200	--	80	74	--	Longline
1475	2°25'	33°05'	3-28-56	0900-1050	2030	--	75	73	--	Longline
1476	2°35'	92°48'	3-29-56	--	2000	--	80	74	--	Longline
1477	2°22'	92°25'	3-29-56	--	114	--	76	--	--	Dip net
1478	2°20'	92°26'	3-30-56	1030-1347	400-1500	--	84	76	--	Longline
1479	2°55'	34°01'	3-30-56	--	1265	--	76	--	--	Dip net
1480	2°52'	34°15'	3-31-56	1020-1311	1265	--	80	75.5	--	Longline
1481	1°30'	35°15'	4-1-56	--	1260	--	76	76.5	--	Dip net
1482	1°30'	35°15'	4-2-56	--	1205	--	78	76	--	Longline
1483	2°40'	36°05'	4-2-56	--	1200	--	76	--	--	Dip net
1484	2°50'	35°33'	4-3-56	--	1220	--	78	76	--	Longline
1485	22°20'	97°05'	4-3-56	--	1060	--	78	--	--	Dip net
1486	22°25'	97°00'	4-4-56	--	1056	--	80	--	--	Longline
1487	--	--	4-11-56	--	--	--	--	--	--	Longline
1488 (A)	1°40'	35°20'	4-11-56	0810-1140	1300	--	75	77	--	Dip net
1488 (B)	1°30'	35°10'	4-11-56	1600-1745	1205	--	65	77	--	Longline
1489	1°35'	32°28'	4-11-56	--	1278	--	76	76	--	Dip net
1490	1°30'	35°25'	4-12-56	--	1120	--	80	77	--	Longline
1491	20°40'	33°05'	4-13-56	--	1160	--	78	77	--	Longline
1492	20°45'	33°15'	4-13-56	--	1160	--	--	75	--	Longline
1493	20°40'	33°20'	4-14-56	0900-1340	1020	--	80	76	--	Dip net
1494	23°15'	88°30'	5-3-56	2010-0010	60	M.	75	76.5	--	40' flat trawl
1495	28°48'	83°26'	5-4-56	0530-0800	45	bu.M.	72	75	65.3	40' flat trawl
1496	28°13'	30°25'	5-4-56	--	50	M.	77	75	--	40' flat trawl
1497	28°18'	30°42'	5-4-56	--	35	M.	72	74	68.9	40' flat trawl
1498	28°20'	30°45'	5-4-56	2035-2310	30	M.	72	74	69.8	40' flat trawl
1499	28°20'	31°30'	5-5-56	0400-0445	30	s.M.	78	74	70.7	40' flat trawl
1500	28°05'	92°36'	5-5-56	1325-1510	52	M.	78	75	65.4	40' flat trawl
1501	27°40'	34°40'	5-6-56	0225-0340	200	M.	74	74	53.2	40' flat trawl
1502	27°40'	34°50'	5-6-56	0430-0710	225	bu.M.	74	75	52.2	40' flat trawl
1503	27°48'	34°45'	5-6-56	0730-0850	200	s.M.	74	76	--	40' flat trawl
1504	27°48'	94°45'	5-6-56	0955-1255	200	M.	75	76	52.8	40' flat trawl
1505	27°48'	94°55'	5-6-56	1350-1655	250	gy. M.	78	76	50	40' flat trawl
1506	27°40'	34°58'	5-6-56	1815-2115	275	--	76	--	--	40' flat trawl
1507	27°43'	95°05'	5-6-56	2220-0200	300	gy. M.	76	75.5	--	40' flat trawl
1508	27°40'	95°35'	5-7-56	0420-0550	200	s.M.	76	75	53.1	40' flat trawl
1509	27°38'	35°35'	5-7-56	0855-1155	225	M.	76	76	49.8	80' balloon trawl
1510	27°40'	35°45'	5-7-56	1400-1515	100	M.	78	76	--	80' balloon trawl
1511	27°42'	35°43'	5-7-56	1610-1725	70	Co.M.	78	75	--	80' balloon trawl
1512	27°57'	34°55'	5-8-56	0500-2400	50	R.	78	76	58.3	Handline
1513	27°51'	34°52'	5-9-56	1120-1415	100	M.	78	77	51.2	40' flat trawl
1514	27°50'	94°45'	5-9-56	1525-1825	130	M.	78	77	50	40' flat trawl
1515	28°40'	85°50'	5-13-56	1200-2130	43	R.	80	78	55.2	Handline
1516	27°50'	88°29'	5-14-56	1410-1440	210	M.	80	78	50.6	40' flat trawl
1517	27°40'	88°10'	5-15-56	1400-1615	220	M.	81	76	49.3	105' balloon trawl
1518	27°30'	88°02'	5-15-56	1910-2310	250	M.	78	75	47.6	105' balloon trawl
1519	29°13'	87°54'	5-16-56	0825-1130	260	M.	74	76	47.2	105' balloon trawl
1520	29°10'	88°05'	5-16-56	1245-1520	250	s.M.	73	77	--	105' balloon trawl
1521	29°13'	87°58'	5-16-56	1610-2200	250	M.	78	76	43.1	40' flat trawl
1522	29°09'	88°14'	5-17-56	0830-1100	225	M.	70	77	--	40' flat trawl
1523	29°05'	88°23'	5-17-56	1140-1240	215	M.	75	77	--	40' flat trawl
1524	29°08'	88°19'	5-17-56	1430-1830	200	M.	75	77	50.4	60' balloon trawl
1525	29°00'	88°06'	5-17-56	1930-2230	220	M.	72	76	49.2	80' balloon trawl
1526	29°11'	87°53'	5-18-56	0825-1130	250	M.	74	75	47.5	80' balloon trawl
1527	29°10'	88°09'	5-18-56	1225-1630	250	M.	77	78	47.6	80' balloon trawl
1528	29°07'	88°22'	5-18-56	1725-2230	225	M.	83	78	49.3	80' balloon trawl
1529	29°11'	88°04'	5-19-56	0850-1150	250	M.	84	78	47.5	100' flat trawl
1530	29°09'	88°16'	5-13-56	1250-1550	240	M.	86	80	48.2	100' flat trawl
1531	29°08'	88°45'	5-19-56	1920-2020	45	M.	78	79	65.8	100' flat trawl
1532	29°14'	88°44'	5-13-56	2120-2200	36	br.bu.M.	76	78	70.5	100' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
1533	29°16'	88°20'	5-20-56	1925-2025	45	M.	90	78	65.6	80' balloon trawl
1534	29°15'	88°25'	5-20-56	2130-2230	60	M.r.	90	78	63.4	80' balloon trawl
1535	29°03'	88°40'	5-21-56	0025-0125	45	M.	90	79	65.6	125' semi-balloon trawl
1536	29°17'	88°51'	5-21-56	0435-0535	30	M.	88	73	70.8	125' semi-balloon trawl
1537	29°29'	83°27'	6-15-56	0610-0835	212	Lt. gy.M.	85	80	50.4	72' balloon trawl
1538	29°29'	83°32'	6-15-56	0940-1240	210	Lt. gy.M.	85	80	48.7	72' balloon trawl
1539	29°28'	83°30'	6-16-56	1320-1650	220	Lt. gy.M.	82	79.9	50.5	72' balloon trawl
1540	29°23'	83°35'	6-16-56	1810-2210	220	Lt. gy.M.	81	80	--	72' balloon trawl
1541	29°28'	83°23'	6-16-56	2305-0305	220	Lt. gy.M. &Co.r.	--	79.5	--	72' balloon trawl
1542	29°31'	83°35'	6-16-56	0500-0900	210	Lt. gy.M.S.	83	80	--	72' balloon trawl
1543	29°28'	83°28'	6-16-56	1025-1425	210	--	81	79.5	50.2	72' balloon trawl
1544	29°50'	83°36'	6-16-56	1550-2045	210	Lt. gy.M. &S.	75	80	--	72' balloon trawl
1545	29°28'	83°28'	6-17-56	2430-0430	210	--	80	79	--	100' flat trawl
1546	29°28'	83°30'	6-17-56	0605-1005	210	Lt. gy.M. &Co.r.	83	80	--	100' flat trawl
1547	29°28'	83°30'	6-17-56	1115-1445	210	--	83.5	79.9	50.2	100' flat trawl
1548	29°25'	83°22'	6-17-56	1635-2030	210	--	80	80	--	80' balloon trawl
1549	29°29'	83°31'	6-17-56	2135-0135	220	Lt. gy.M. &Co.r.	78	80	--	80' balloon trawl
1550	29°28'	83°29'	6-18-56	0245-0645	212	M.S.	81	79	--	80' balloon trawl
1551	29°25'	83°23'	6-18-56	0750-1145	215	--	81	79.5	--	80' balloon trawl
1552	29°24'	83°15'	6-18-56	1505-1605	75	Co.	80	80	62.8	40' flat trawl
1553	29°42-45'	83°06-08'	6-18-56	--	28-30	--	--	78	--	40' flat trawl
1554	29°45'	83°06'	6-18-56	2335-0005	28	--	79	79	--	40' flat trawl
1555	29°55'	84°17'	6-19-56	0740-0915	215	Co.	85	81.5	--	Pellerina 76'
1556	26°24'	84°45'	6-19-56	1920-2230	210	Lt. gy.M.	81	81	58.8	80' balloon trawl
1557	29°50'	87°10'	6-20-56	2140-2440	215	bl.M	79	79	52.9	80' balloon trawl
1558	29°41'	87°11'	6-21-56	0335-0435	100	--	79	78.5	57.9	40' flat trawl
1559	29°30'	87°34'	6-21-56	0558-0658	45	--	79	78.5	66.6	40' flat trawl
1560	30°14'	87°28'	6-21-56	1030-1100	5.5	S.	84	79	75.6	40' flat trawl
1561	29°14'	87°54'	6-22-56	0240-0500	200	gy.M.	79	80	72	72' balloon trawl
1562	29°13'	87°56'	6-22-56	0620-0850	210	M.	84	79.5	52	72' balloon trawl
1563	29°11'	88°03'	6-22-56	0950-1230	230	gy.M.	85.5	79.5	50.7	72' balloon trawl
1564	29°10'	88°08'	6-22-56	1335-1605	240	gy.M.	81	80.5	51.8	72' balloon trawl
1565	29°11'	88°02'	6-22-56	1710-2110	240	gy.M.	79	79	52.2	72' balloon trawl
1566	29°13'	87°54'	6-23-56	2220-2220	250	gy.M.	79	80	--	72' balloon trawl
1567	29°11'	88°05'	6-23-56	0335-0735	250	--	81	82	--	72' balloon trawl
1568	29°09'	88°12'	6-23-56	0835-1235	250	--	84	82.5	--	72' balloon trawl
1569	29°11'	88°02'	6-23-56	1320-1720	250	--	86	83.5	--	72' balloon trawl
1570	29°09'	88°14'	6-23-56	1810-2210	250	--	81	80.5	--	72' balloon trawl
1571	29°10'	88°07'	6-23-24-56	--	250	hd.M.	80.5	80	--	72' balloon trawl
1572	29°10'	88°10'	6-24-56	0550-0950	250	M.	91	80	--	72' balloon trawl
1573	29°12'	87°57'	6-24-56	1045-1445	250	S.	86	82	--	72' balloon trawl
1574	29°10'	88°07'	6-24-56	1545-1945	250	M.	80.5	81	--	72' balloon trawl
1575	29°12'	87°59'	6-24-25-56	--	250	M.Sb.	87	81	--	72' flat trawl
1576	29°10'	88°06'	6-25-56	0150-0550	250	M.Sb.	86	80	--	72' balloon trawl
1577	29°13'	87°55'	6-25-56	0640-1040	250	M.	83	83	--	72' balloon trawl
1578	29°11'	88°03'	6-25-56	1155-1545	250	M.	86	82	49.3	72' balloon trawl
1579	29°13'	87°56'	6-25-56	1650-2050	250	gy.M.	80	81.5	--	72' balloon trawl
1580	29°10'	88°07'	6-25-26-56	2145-0145	250	M.	80	80.5	--	72' balloon trawl
1581	29°12'	87°57'	6-26-56	0245-0645	250	M.	82	80.5	--	72' balloon trawl
1582	28°58'	87°55'	7-20-56	0600-0955	300	--	83	83.5	--	Longline
1583	28°44'	88°08'	7-20-56	--	1000	--	86	84	--	Dip net
1584	28°45'	88°06'	7-21-56	0625-1000	1000	--	82	83	--	Longline
1585	28°20'	88°37'	7-21-56	--	300	--	84	84	--	Dip net
1586	28°17'	88°35'	7-22-56	0500-1000	900-1000	--	82	84	--	Longline
1587	28°17'	88°29'	7-22-56	--	1000	--	86	84.5	--	Dip net
1588	28°17'	88°33'	7-23-56	0635-1000	400	--	84	85	--	Longline
1589	28°47'	87°56'	7-23-56	--	1100	--	84	--	--	Dip net
1590	28°15'	88°03'	7-24-56	0605-0900	300	--	88	84	--	Longline
1591	28°50'	87°58'	7-24-56	--	800	--	85	84	--	Dip net
1592	28°51'	87°59'	7-25-56	0615-0930	800	--	83	84	--	Longline
1593	26°50'	87°58'	7-26-56	--	300	--	86	84.5	--	--
1594	28°59'	87°49'	7-26-56	0540-0830	800	--	83	85	--	Longline
1595	28°17'	88°35'	11-17-56	--	250	--	--	77	--	Longline
1596	26°53'	80°48'	11-18-56	--	1100	--	78	80	--	Longline
1597	26°20'	88°57'	11-19-56	0630-0-30	1300	--	78	83.5	--	Longline
1598	24°33'	40°12'	11-20-56	0500-0-30	2050	--	85	82	--	Longline
1599	22°22'	92°05'	11-21-56	--	1800	--	79.5	84	--	Longline
1600	20°12'	91°59'	11-23-24-56	--	11	Co.R.S.	--	--	--	Dip net
1601	20°10'	92°25'	11-24-56	--	350	--	82	82	--	Longline
1602	--	--	11-24-56	--	--	--	--	--	--	Dip net
1603	20°50'	93°00'	11-25-56	0730-1000	1160	--	77	--	--	Longline
1604	20°50'	93°00'	11-25-56	1400-1527	1160	--	78	82.5	--	Longline
1605	20°40'	92°55'	11-25-26-56	--	1160	--	--	--	--	Dip net
1606	20°55'	33°00'	11-26-56	--	1300	--	--	82	--	Longline
1607	--	--	11-26-27-56	--	15-20	Co.R.S.	--	--	--	Dip net
1608	--	--	11-29-30-56	--	--	--	--	--	--	Dip net
1609	28°06'	88°39'	11-30-56	--	800-1000	--	54	75	--	Longline
1610	28°30'	88°42'	12-4-56	0700-0927	755	--	77	75.5	--	Longline
1611	28°30'	88°42'	12-4-56	--	755	--	--	--	--	Dip net
1612	28°21'	88°44'	12-5-56	0630-0920	755	--	78	75.5	--	Longline
1613	--	--	12-5-56	1500-1610	755	--	76	76	--	Longline
1614	28°21'	88°42'	12-5/6-56	--	755	--	--	--	--	Dip net
1615	28°30'	88°45'	12-6-56	--	675	--	--	75	--	Longline
1616	28°30'	88°45'	12-6/7-56	--	675	--	--	76	--	Dip net
1617	28°29'	88°50'	12-7-56	--	645	--	78	76	--	Longline
1618	28°29'	88°50'	12-7/8-56	--	645	--	--	--	--	Dip net
1619	28°26'	88°46'	12-8-56	0700-1006	700	--	79	76	--	Longline
1620	28°25'	88°45'	12-8/9-56	--	755	--	--	--	--	Dip net
1621	28°30'	88°47'	12-9-56	--	675	--	74	76	--	Longline
1622	28°25'	88°43'	12-10-56	--	675	--	60	75.5	--	Longline
1623	28°25'	88°44'	12-10/11-56	--	755	--	66	--	--	Dip net
1624	28°50'	88°44'	12-11-56	--	755	--	73	75	--	Longline
1625	28°00'	88°45'	12-11/12-56	--	--	--	--	--	--	Dip net
1626	27°54'	88°45'	12-12-56	--	950	--	--	--	--	Longline
1627	29°34'	88°11'	1-7-57	--	20	S.	--	70.5	66.2	52° trawl
1628	29°34'	88°12'	1-8-57	0750-0800	20-22	S.	--	71	69.4	52°/70' trawl
1629	23°27'	88°12'	1-8-57	1220-1235	26-27	--	--	72	70.2	52°/70' trawl
1630	23°20'	88°16'	1-8-57	1555-1610	33	--	68	72	69.3	52°/70' trawl
1631	29°25'	88°55'	1-8-57	2010-2025	37	--	--	72	65.8	52°/70' trawl
1632	29°27'	87°48'	1-8-57	2240-2250	37	gy.S.Sb.	--	71.5	68.4	52°/70' trawl
1633	29°27'	87°38'	1-9-57	0925-0935	37	R.	--	73	70.2	52°/70' trawl
1634	29°26'	87°35'	1-9-57	1050-1100	--	--	--	--	--	52°/70' trawl
1635	29°26'	87°35'	1-6-57	1410-1420	--	--	--	--	--	52°/70' trawl
1636	29°33'	87°31'	1-3-57	1940-1945	32	S.	68	66.6	69	60° trawl
1637	29°45'	87°30'	1-9-57	2250-2240	20	S.	--	66.2	69	60° trawl
1638	29°50'	87°25'	1-10-57	1030-1040	18	--	73	69	66.6	60° trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1639	29° 49'	87° 19'	1-10-57	1425-1555	30	--	74	68.5	66.6	60' trawl
1640	29° 59'	87° 06'	1-10-57	1555-1600	30	S.	65	69.5	66.2	60' trawl
1641	29° 37'	88° 40'	1-18-57	0700-0900	8	S.	45	65.6	59.4	60' trawl
1642	29° 46'	88° 12'	1-18-57	1100-1215	20	--	46	70	69.1	60' trawl
1643	29° 45'	88° 02'	1-18-57	1400-1410	20	--	48	--	--	30' midwater trawl
1644	29° 45'	88° 12'	1-18-57	1500-1630	20	S.	57	73	--	30' midwater trawl
1645	29° 47'	87° 10'	1-21-57	1255-1335	70	--	70	--	--	30' midwater trawl
1646	29° 50'	87° 03'	1-21-57	1515-1725	98	--	70	--	--	30' midwater trawl
1647	30° 17'	87° 13'	1-23-57	0830-0850	7	S.	60	--	--	52/70' trawl
1648	30° 11'	86° 55'	1-23-57	--	17	S.	58	68	--	52/70' trawl
1649	30° 18'	87° 11'	1-24-57	--	7	S.	54	63.5	--	52/70' trawl
1650	30° 19'	87° 07'	1-24-57	1325-1415	4	S.	60	64	--	52/70' trawl
1651	29° 46'	87° 59'	1-24-57	--	20	--	65	--	--	52/70' trawl
1652	29° 41'	87° 43'	1-24-57	2110-2225	22	--	--	--	--	52/70' trawl
1653	29° 41'	87° 55'	1-24/25-57	2325-1225	22	--	--	--	--	52/70' trawl
1654	29° 47'	88° 25'	2-6-57	0605-0735	19	M.S.Sh.	68	72	64	52/70' trawl
1655	29° 39'	88° 20'	2-6-57	--	22	M.S.	73	74	70	52/70' trawl
1656	29° 33'	88° 18'	2-6-57	1110-1240	23	--	76	74	--	52/70' trawl
1657	29° 28'	88° 18'	2-6-57	1320-1430	27	--	76	77	--	52/70' trawl
1658	29° 25'	88° 19'	2-6-57	1455-1615	50	Co.M.	--	--	--	52/70' trawl
1659	29° 30'	88° 16'	2-6-57	1755-1885	27	--	70	75	--	52/70' trawl
1660	29° 35'	88° 22'	2-7-57	0550-0720	22	--	71	74	--	52/70' trawl
1661	29° 41'	88° 18'	2-7-57	0745-0900	21	M.	71	74	--	52/70' trawl
1662	29° 29'	88° 11'	2-7-57	1035-1145	26	--	74	75	--	52/70' trawl
1663	29° 31'	88° 07'	2-7-57	1225-1340	23	M.Sh.	72	75	70.1	52/70' trawl
1664	29° 35'	88° 06'	2-7-57	1415-1530	22	--	72	75	--	52/70' trawl
1665	29° 35'	88° 08'	2-7-57	1900-0000	22	--	70	--	--	Dip net
1666	29° 35'	88° 10'	2-8-57	--	22	M.Sh.	72	75	--	52/70' trawl
1667	29° 32'	88° 11'	2-8-57	0745-0900	23	M.Sh.	74	75	--	52/70' trawl
1668	29° 32'	88° 12'	2-8-57	1000-1115	23	--	74	75	--	52/70' trawl
1669	29° 36'	88° 10'	2-8-57	1200-1315	22	M.Sh.	76	75.5	--	52/70' trawl
1670	29° 33'	88° 10'	2-8-57	1340-1435	23	M.Sh.	76	75.5	--	52/70' trawl
1671	29° 37'	88° 08'	2-8-57	1520-1630	19	M.Sh.	89	76	--	52/70' trawl
1672	29° 41'	85° 34'	2-10-57	--	13	S.	85	73	--	8' scallop dredge
1673	29° 27'	84° 56'	2-10-57	2015-2100	10-12	S.	70	71	--	8' scallop dredge
1674	29° 25'	84° 56'	2-10-57	2125-2210	13	S.	70	71	--	8' scallop dredge
1675	29° 24'	84° 57'	2-10-57	2230-2330	13	S.	70	71	--	8' scallop dredge
1676	29° 18'	84° 59'	2-11-57	2350-2450	13-15	S.	70	73	--	8' scallop dredge
1677	29° 26'	84° 58'	2-11-57	0220-0320	9	S.M.Gv.	70	73.5	--	8' scallop dredge
1678	29° 26'	84° 58'	2-11-57	--	9	S.S.	70	--	--	8' scallop dredge
1679	29° 28'	84° 50'	2-11-57	0515-0615	--	S.	70	--	--	8' scallop dredge
1680	29° 30'	85° 50'	2-11-57	1125-1225	14	--	66	72	--	8' scallop dredge
1681	29° 40'	85° 35'	2-11-57	1415-1515	14	S.R.	66	73	--	8' scallop dredge
1682	29° 39'	85° 42'	2-11-57	1530-1630	15	S.R.	76	72	--	8' scallop dredge
1683	29° 38'	85° 47'	2-11-57	1640-1740	18	S.	67	71.5	--	8' scallop dredge
1684	29° 44'	85° 46'	2-11-57	1750-1850	17	S.S.	65	70.5	--	8' scallop dredge
1685	29° 52'	85° 44'	2-11-57	1905-2005	17	S.S.	64	70	--	8' scallop dredge
1686	29° 52'	85° 46'	2-11-57	2020-2120	17	S.S.	64	70	--	8' scallop dredge
1687	29° 58'	85° 45'	2-11-57	2155-2255	15	S.S.	58	71	--	8' scallop dredge
1688	29° 55'	85° 41'	2-11/12-57	--	12-14	S.S.	58	70	--	8' scallop dredge
1689	29° 52'	85° 56'	2-12-57	--	12-15	S.S.	55	70	--	8' scallop dredge
1690	29° 47'	85° 40'	2-12-57	0140-0240	15	S.S.	--	--	--	8' scallop dredge
16.1	29° 44'	85° 45'	2-12-57	0305-0405	16	S.S.	--	--	--	8' scallop dredge
1692	30° 04'	85° 57'	2-12-57	--	16	Spg.Co.R.	50	--	--	8' scallop dredge
1693	30° 10'	86° 01'	2-12-57	0855-0955	14	--	51	--	--	8' scallop dredge
1694	30° 15'	86° 01'	2-12-57	1015-1115	9	S.S.	54	67.5	--	8' scallop dredge
1695	30° 13'	85° 56'	2-12-57	1125-1225	9	S.S.S.	62	69	--	8' scallop dredge
1696	30° 09'	85° 57'	2-12-57	1240-1255	5-12	Co.S.P.S.S.	60	68	--	8' scallop dredge
1697	30° 07'	86° 01'	2-12-57	1320-1420	12-14	Co.S.P.S.S.	61	64	--	8' scallop dredge
1698	30° 05'	86° 07'	2-12-57	1430-1530	17	Spg.R.S.	64	--	--	8' scallop dredge
1699	30° 03'	86° 12'	2-12-57	1540-1640	20	--	69	--	--	8' scallop dredge
1700	29° 59'	86° 13'	2-12-57	1650-1750	25	--	59	70	--	8' scallop dredge
1701	29° 59'	86° 17'	2-12-57	1800-1900	25	S.P.R.	58	69.5	--	8' scallop dredge
1702	30° 04'	86° 17'	2-12-57	2015-2115	20	S.P.S.B.S.	59	70	--	8' scallop dredge
1703	30° 06'	86° 12'	2-12-57	2150-2230	17	--	59	63.5	--	8' scallop dredge
1704	30° 02'	86° 13'	2-12-57	2240-2340	23	Spg.R.S.	58	70	--	8' scallop dredge
1705	29° 57'	86° 13'	2-12/13-57	2350-0050	25	S.P.R.S.	60	70	--	8' scallop dredge
1706	30° 06'	87° 04'	2-13-57	0600-0700	17	Spg.R.S.	61	--	--	8' scallop dredge
1707	30° 02'	87° 03'	2-13-57	0715-0815	27	S.P.R.S.	75	--	--	8' scallop dredge
1708	30° 05'	87° 03'	2-13-57	0830-0930	18	S.	60	--	--	8' scallop dredge
1709	30° 07'	87° 06'	2-13-57	0945-1045	13	S.	61	69	--	8' scallop dredge
1710	30° 11'	87° 04'	2-13-57	1055-1155	11	S.	62	70	--	8' scallop dredge
1711	30° 05'	87° 12'	2-13-57	1225-1330	21	--	65	71	--	8' scallop dredge
1712	30° 05'	87° 14'	2-13-57	1340-1440	21	S.	68	70	--	8' scallop dredge
1713	30° 05'	87° 14'	2-13-57	1450-1525	21	S.R.	72	70	--	8' scallop dredge
1714	30° 02'	87° 13'	2-13-57	1550-1620	17	S.	66	--	--	8' scallop dredge
1715	30° 03'	87° 14'	2-13-57	1630-1700	18	--	68	71	--	8' scallop dredge
1716	29° 47'	85° 38'	2-15-57	0610-0710	15	S.	66	69	--	52/70' trawl
1717	29° 44'	85° 35'	2-15-57	0730-0830	13	S.S.	67	--	--	52/70' trawl
1718	29° 31'	85° 20'	2-15-57	1025-1125	12	--	57	69	--	52/70' trawl
1719	29° 00'	85° 32'	2-16-57	0600-0620	8	R.Co.S.S.	66	67.5	--	52/70' trawl
1720	28° 35'	85° 51'	2-16-57	--	9	R.S.	66	68.5	--	60' trawl
1721	28° 35'	85° 08'	2-16-57	1230-1330	7	Spg.Co.	66	65	--	60' trawl
1722	28° 25'	85° 03'	2-16-57	1420-1520	7	Spg.C.C.S.	68	68	--	60' trawl
1723	27° 51'	85° 21'	2-16/17-57	--	14	S.R.Co.Spg.S.	68	69	--	Dip net
1724	27° 48'	85° 21'	2-17-57	0610-0710	15-16	--	64	69	--	60' trawl
1725	27° 42'	85° 20'	2-17-57	0730-0830	16	S.	63	70.5	--	60' trawl
1726	27° 50'	85° 24'	2-20-57	0420-0520	20	S.S.	52	69	--	8' scallop dredge
1727	27° 54'	85° 30'	2-20-57	0535-0630	19	S.S.	52	69	--	8' scallop dredge
1728	27° 56'	85° 37'	2-20-57	0645-0745	16	S.S.	52	63	--	8' scallop dredge
1729	27° 51'	87° 44'	2-20-57	0750-0850	17	S.S.	--	--	--	8' scallop dredge
1730	27° 50'	87° 52'	2-20-57	0800-1000	17	--	52	69	--	8' scallop dredge
1731	27° 44'	87° 56'	2-20-57	1010-1110	20	S.S.	53	69	--	8' scallop dredge
1732	27° 41'	88° 02'	2-20-57	1120-1200	20	S.	54	69	--	8' scallop dredge
1733	27° 38'	88° 06'	2-20-57	--	21	S.	54	69	--	8' scallop dredge
1734	27° 41'	88° 06'	2-20-57	1355-1455	21	--	54	69	--	60' trawl
1735	27° 37'	88° 08'	2-20-57	1515-1615	21	--	54	69	--	60' trawl
1736	27° 34'	88° 13'	2-20-57	1630-1730	23	--	54	69	--	60' trawl
1737	27° 30'	88° 15'	2-21-57	0350-0450	27	S.	54	69	--	8' scallop dredge
1738	27° 35'	88° 16'	2-21-57	0500-0600	21	S.	55	70	--	8' scallop dredge
1739	30° 08'	88° 53'	3-5-57	1920-2020	6	S.S.	59	66	--	8' scallop dredge
1740	30° 05'	88° 48'	3-5-57	2025-2135	6	M.S.S.	59	66	--	8' scallop dredge
1741	30° 03'	88° 42'	3-5-57	2145-2245	7	bi.M.	59	68	--	8' scallop dredge
1742	29° 51'	88° 47'	3-5-6-57	2345-0045	5	bi.M.	60	68	--	8' scallop dredge
1743	29° 46'	88° 46'	3-5-6-57	0105-0200	6	M.	--	--	--	8' scallop dredge

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1744	28°42'	88°46'	3-6-57	0210-0310	6	--	--	--	--	8' scallop dredge
1745	28°42'	90°12'	3-6-57	1535-1635	20	gy.S.	59	--	--	8' scallop dredge
1746	28°42'	90°16'	3-6-57	1645-1745	16	--	59	--	--	8' scallop dredge
1747	28°44'	90°23'	3-6-57	1800-1900	11	M.Sh.R.	59	69	--	8' scallop dredge
1748	28°46'	90°47'	3-6-57	1955-2050	9	M.S.Sh.	60	70	--	8' scallop dredge
1749	28°46'	90°47'	3-6-57	2130-2225	9	M.S.Sh.	61	70	--	8' scallop dredge
1750	28°45'	90°59'	3-6-57	2305-0005	7	--	--	--	--	8' scallop dredge
1751	28°46'	91°17'	3-7-57	0125-0225	7.5	M.S.R.	--	--	--	8' scallop dredge
1752	28°52'	91°28'	3-7-57	0325-0425	8	M.R.	--	--	--	8' scallop dredge
1753	28°58'	91°49'	3-7-57	0605-0705	8	M.R.Sh.	54	68	--	8' scallop dredge
1754	28°12'	92°47'	3-8-57	1735-1830	10	G.S.M.	48	66	--	8' scallop dredge
1755	28°46'	92°48'	3-8-57	1845-1945	12	R.Sh.S.M.	49	67	--	8' scallop dredge
1756	28°00'	92°50'	3-8-57	1955-2055	13	--	50	68	--	8' scallop dredge
1757	28°53'	92°50'	3-8-57	2105-2205	13	--	52	68	--	8' scallop dredge
1758	28°48'	92°51'	3-8-57	2215-2315	15	Co.Sh.S.	55	69	--	--
1759	28°43'	92°51'	3-8/9-57	2325-0025	18	S.Sh.	55	68	--	--
1760	28°57'	92°53'	3-9-57	1240-0140	20	M.	58	68	--	--
1761	28°32'	92°53'	3-9-57	0150-0250	25	M.S.Sh.	58	70	--	8' scallop dredge
1762	28°36'	92°56'	3-9-57	0300-0400	23	S.Sh.M.	60	70	--	8' scallop dredge
1763	28°40'	93°01'	3-9-57	0415-0515	21	M.S.Sh.	62	70	--	8' scallop dredge
1764	28°45'	93°04'	3-9-57	0545-0645	17	M.S.Sh.	64	70	--	8' scallop dredge
1765	28°39'	93°05'	3-9-57	0700-0800	21	--	65	71	--	8' scallop dredge
1766	28°26'	93°20'	3-9-57	0805-0905	--	R.M.S.	66	70	--	8' scallop dredge
1767	28°21'	93°22'	3-9-67	0915-1015	--	--	66	72	--	8' scallop dredge
1768	28°16'	93°23'	3-9-57	1025-1125	34	S.	66	72	--	--
1769	28°00'	93°43'	3-9-57	--	50	R.Co.	68	72	--	Handline
1770	28°23'	93°44'	3-9-57	1910-2010	30	M.Sh.	63	72	66.4	8' scallop dredge
1771	28°28'	93°44'	3-9-57	2020-2120	25	M.Sh.	63	70.5	--	8' scallop dredge
1772	28°34'	93°46'	3-10-57	2125-2225	20	--	64	70	--	8' scallop dredge
1773	28°37'	93°48'	3-10-57	2235-2335	19	Sh.S.	64	69	66.2	8' scallop dredge
1774	28°41'	93°52'	3-10-57	2355-0055	14	S.	65	69	--	--
1775	28°46'	93°56'	3-10-57	0105-0205	13	--	65	69	--	8' scallop dredge
1776	28°52'	94°01'	3-10-57	0215-0315	13	S.Sh.	65	69	--	--
1777	28°59'	94°03'	3-10-57	0330-0430	11	--	65	69	--	8' scallop dredge
1778	28°18'	94°10'	3-10-57	0715-0815	8	gy.S.Sh.	65	65	--	8' scallop dredge
1779	28°17'	94°04'	3-10-57	0830-0930	8	--	64	65	--	8' scallop dredge
1780	28°17'	93°57'	3-10-57	0945-1040	8	--	66	65	--	--
1781	28°17'	93°52'	3-10-57	1110-1210	8	S.Sh.	69	66	--	8' scallop dredge
1782	28°15'	93°57'	3-10-57	1220-1305	8	S.Sh.Gra.	66	65	--	8' scallop dredge
1783	28°14'	94°02'	3-10-57	1325-1420	8	--	66	65	--	8' scallop dredge
1784	28°52'	94°52'	3-13-57	--	10.5	M.	66.5	69	63	60' trawl
1785	28°28'	94°50'	3-13-57	1730-1800	23	R.Co.	68	72	--	60' trawl
1786	28°05'	94°54'	3-13-57	2050-2150	31	--	69	--	--	60' trawl
1787	28°07'	94°53'	3-14-57	0710-0810	29	--	72	73	--	--
1788	28°08'	95°00'	3-14-57	0830-0930	29	--	73	73	70.2	68/80' trawl
1789	28°07'	95°03'	3-14-57	1000-1100	31	--	73	73	--	68/80' trawl
1790	28°06'	95°08'	3-14-57	1120-1220	31	--	75	73.5	--	68/80' trawl
1791	28°03'	95°10'	3-14-57	1245-1345	33	--	75	73.5	--	68/80' trawl
1792	28°00'	95°10'	3-14-57	1410-1510	39	M.	76	73.5	--	68/80' trawl
1793	27°53'	95°18'	3-14-57	1615-1715	53	--	73	73.5	68	68/80' trawl
1794	27°57'	94°55'	3-15-57	--	50	R.	--	--	--	Handline
1795	28°04'	94°51'	3-16-57	--	35	M.Rk.	68	75	67	68/80' trawl
1796	28°04'	94°44'	3-16-57	0850-0950	31	Sp.M.	73	75	--	--
1797	28°04'	94°44'	3-16-57	1020-1120	32	Spg.	73	75	--	--
1798	28°04'	94°50'	3-16-57	1140-1240	32	--	71	75	--	68/70' trawl
1799	28°14'	94°48'	3-16-57	1350-1430	25	--	72	73	--	68/80' trawl
1800	28°10'	94°40'	3-16-57	1540-1635	30	--	70	73	--	68/80' trawl
1801	28°09'	94°36'	3-16-57	1655-1705	30	Rk.Sp.M.	70	73	--	68/80' trawl
1802	28°22'	94°44'	3-17-57	0710-0810	26	M.	70	71.5	--	68/80' trawl
1803	28°08'	94°50'	3-17-57	1330-1430	40	M.	72	73	--	--
1804	--	--	5-31-57	--	--	S.	80	78	--	Bait lift set
1805	--	--	6-1-57	--	--	S.	60	85	--	Trap lift set
1806	28°33'	87°58'	6-3-57	--	1245	--	90	85	--	Jackpoles
1807	29°06'	88°11'	6-4-57	--	350	--	84	85	--	Jackpoles
1808	29°02'	88°11'	6-4-57	--	442	--	88	85	--	Jackpoles
1809	29°03'	87°52'	6-4-57	--	780	--	88	85	--	Jackpoles
1810	29°03'	87°52'	6-4-57	--	780	--	88	85	--	Dip net
1811	29°00'	87°41'	6-5-57	--	900	--	85	85	--	Jackpoles
1812	--	--	6-6-57	--	3	--	85	85	--	Trap net
1813	30°13'	88°30'	6-7-57	--	4	M.	82	85	--	Trap lift net
1814	30°05'	88°33'	6-7-57	--	11	--	82	85	--	Trap lift net
1815	--	--	6-8-57	--	4	--	84	85	--	Trap lift net
1816	30°02'	88°53'	6-8-57	--	5	--	82	85	--	Trap lift net
1817	30°13'	88°58'	6-9-57	--	5	--	83	85	--	Trap lift net
1818	28°43'	87°40'	6-9-57	--	1320	--	83	87	--	Dip net
1819	28°47'	87°35'	6-10-57	--	1300	--	82	86	--	Jackpoles
1820	28°40'	88°12'	6-10-57	--	1050	--	82	86	--	Dip net
1821	29°01'	87°51'	6-11-57	--	780-950	--	84	86	--	Jackpoles
1822	28°53'	87°30'	6-11-57	--	957	--	83	86	--	Dip net
1823	29°00'	87°30'	6-12-57	--	925	--	82	88	--	Jackpoles
1824	29°00'	87°33'	6-12-57	--	925	--	84	87	--	Dip net
1825	29°03'	87°33'	6-13-57	--	852	--	82	88	--	Jackpoles
1826	--	--	6-14-57	--	--	--	82	85	--	Dip net
1827	30°20'	87°18'	6-16-57	--	6	--	84	86	--	Trap net
1828	29°01'	87°41'	6-17-57	--	980-400	--	88	88	--	Jackpoles
1829	28°52'	87°44'	6-17-57	--	1050	--	88	88	--	Dip net
1830	29°00'	87°44'	6-18-57	--	250-900	--	85	87	--	Jackpoles
1831	30°00'	88°43'	6-19-57	--	9	--	88	88	--	Trap net
1832	--	--	6-19-57	--	3-4	--	88	88	--	Trap net
1833	30°13'	88°37'	6-20-57	--	4	--	84	86	--	Trap lift net
1834	30°13'	88°29'	6-21-57	--	3	--	84	86	--	Trap lift net
1835	28°55'	87°30'	6-21-57	--	1000	--	86	87	--	Dip net
1836	29°13'	87°51'	6-22-57	--	1200-250	--	86	87	--	Jackpoles
1837	23°48'	88°15'	6-25-57	--	150-25	--	82	85	--	Jackpoles
1838	25°00'	87°30'	6-27-57	--	1100-1200	--	80	85	--	Jackpoles
1839	30°13'	88°29'	6-28-57	--	3	--	80	86	--	Trap lift net
1840	--	--	7-10-57	--	4	--	--	--	--	Trap lift net
1841	20°12'	91°59'	7-12-57	--	6	--	--	86	--	Trap lift net
1842	20°12'	91°59'	7-13-57	--	6	--	--	86	--	Trap lift net
1843	20°12'	91°59'	7-14-57	--	6	--	82	86	--	Trap lift net
1844	22°07'	91°25'	7-15-57	--	9	--	84	86	--	Trap lift net
1845	22°10'	92°15'	7-16-57	0720-1145	1600-1700	--	84	87	--	Longline

Table 1--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1846	22° 18'	92° 30'	7-17-57	0700-1145	1830	--	88	86.5	--	Longline
1847	20° 52'	92° 45'	7-18-57	0550-0910	1300-1500	--	85-90	86	--	Longline
1848	20° 2'	91° 59'	7-18-57	--	6	--	86	--	--	Trap lift net
1849	22° 07'	91° 25'	7-19-57	R.S.	7	--	83	86	--	Trap lift net
1850	22° 07'	91° 25'	7-20-57	--	7	--	83	86	--	Trap lift net
1851	22° 30'	89° 47'	7-21-57	--	5	--	83	86	--	Trap lift net
1852	--	--	7-22-57	--	25-1000	--	90	86	--	Jackpoles
1853	22° 30'	89° 47'	7-22-57	--	5	--	83	86	--	Trap lift net
1854	--	--	7-23-57	--	20-1100	--	87	86	--	Jackpoles
1855	21° 38'	92° 25'	7-24-57	--	40-1200	--	86	86	--	Jackpoles
1856	20° 13'	91° 59'	7-25-57	--	10	--	82	86	--	Trap lift net
1857	--	--	7-25-57	--	20-1000	--	82	86	--	Jackpoles
1858	--	--	7-25-57	--	10	--	83	86	--	Trap lift net
1859	20° 55'	92° 14'	7-26-57	--	--	--	83	86	--	Jackpoles
1860	23° 60'	82° 00'	7-27-57	--	1900-1500	--	83	87	--	Jackpoles
1861	--	--	8-13-57	--	5½	--	82	--	--	Trap lift net
1862	28° 51'	88° 03'	8-14-57	0830-1215	980	--	104	86	38	Longline
1863	16° 22'	85° 31'	8-20-57	--	165-170	lt.gy.M.	83	86	57.2	40' flat trawl
1864	16° 23'	83° 20'	6-21-57	0430-0438	55	lt.gy.M.-Co.	86	87	--	40' flat trawl
1865	16° 20'	83° 20'	8-21-57	0615-0630	42	lt.gy.M.	86	87	--	40' flat trawl
1866	16° 30'	83° 30'	8-21-57	0930-0945	38	crs.S.	85	86	76.6	40' flat trawl
1867	16° 38'	82° 43'	6-21-57	1545-1625	140	lt.gy.M.	84	87	--	40' flat trawl
1868	16° 36'	82° 37'	8-21-57	1720-1820	175	gy.M.	84	87	--	40' flat trawl
1869	16° 38'	82° 34'	6-21-57	1935-2035	205-210	gy.M.	84	86	--	40' flat trawl
1870	16° 39'	82° 29'	8-21-57	--	225	gy.M.	84	86	--	40' flat trawl
1871	16° 39'	82° 26'	8-22-57	0015-0200	250	gy.M.	85	86	--	40' flat trawl
1872	16° 41'	82° 20'	8-22-57	0310-0410	300	wh.M.	85	86	--	40' flat trawl
1873	16° 40'	82° 12'	8-22-57	0600-0640	56	Co.	85	86	--	40' flat trawl
1874	16° 43'	81° 57'	8-22-57	0940-1010	50	Co.	85	86	--	40' flat trawl
1875	16° 39'	81° 59'	8-22-57	1055-1155	60	Co.Spg.	85	86	--	40' flat trawl
1876	16° 45'	81° 53'	8-22-57	1350-1450	100	Co.Spg.	85	87	--	40' flat trawl
1877	16° 40'	81° 47'	8-22-57	1615-1700	100	Co.Spg.	82	87	--	40' flat trawl
1878	16° 39'	81° 43'	8-22-57	1740-1825	125	Co.	80	85	--	40' flat trawl
1879	16° 38'	81° 39'	8-22-57	1900-1945	150	Co.	83	85	--	40' flat trawl
1880	16° 43'	81° 34'	8-22-57	2030-2115	175	Co.	79	85	--	40' flat trawl
1881	16° 50'	81° 33'	8-22-57	--	170	Co.	78	85	--	40' flat trawl
1882	16° 45'	81° 28'	8-23-57	0400-0500	160	Co.	84	85	--	40' flat trawl
1883	16° 52'	81° 30'	6-23-57	0655-0755	200	Co.	84	85	--	40' flat trawl
1884	16° 53'	81° 22'	8-23-57	0845-0945	225	gy.M.	85	85	--	40' flat trawl
1885	16° 44'	81° 18'	8-23-57	1100-1200	250	Co.	85	86	--	40' flat trawl
1886	16° 55'	81° 12'	8-23-57	--	275	gy.Cl.	85	86	--	40' flat trawl
1887	16° 55'	81° 10'	8-23-57	1500-1700	300	gy.M.	82	86	--	40' flat trawl
1888	16° 41'	81° 02'	8-23-57	2315-2400	250	M.	82	85	--	40' flat trawl
1889	16° 39'	81° 01'	8-24-57	0050-0250	250	M.	82	85	--	40' flat trawl
1890	16° 35'	80° 55'	8-24-57	0730-0805	100	Co.Spg.	83	85	--	40' flat trawl
1891	16° 07'	81° 05'	8-24-57	1255-1350	150	--	88	86	--	40' flat trawl
1892	15° 30'	81° 04'	8-24-57	2030-2045	16	Spg.Co.	82	85	--	40' flat trawl
1893	15° 15'	81° 15'	8-25-57	2445-2450	110	--	82	85	--	40' flat trawl
1894	15° 15'	81° 19'	8-25-57	0230-0300	145	--	84	85	--	40' flat trawl
1895	14° 40'	81° 25'	8-25-57	0945-1000	300	--	85	85	--	40' flat trawl
1896	13° 27'	81° 33'	8-30-57	0730-1140	1216	--	84	--	--	Longline
1897	11° 57'	80° 15'	8-31-57	--	1900	--	84	--	--	Longline
1898	09° 61'	80° 44'	9-6-57	0550-1140	300	--	--	--	--	Longline
1899	10° 55'	82° 00'	9-7-57	0545-1138	1200	--	87	85	--	Longline
1900	10° 40'	82° 50'	9-8-57	0555-1140	1150	--	90	86	--	Longline
1901	11° 20'	82° 50'	9-9-57	--	1180	--	80	--	--	Longline
1902	11° 27'	83° 11'	9-9-57	--	135	--	--	85	--	40' flat trawl
1903	11° 31'	83° 09'	9-9-57	2135-2210	150	S.	81	85	--	40' flat trawl
1904	11° 34'	83° 07'	9-9-10-57	2330-2355	125	sft.yl.M-S.	82	--	--	40' flat trawl
1905	12° 22'	82° 27'	9-11-57	0905-0950	275	--	85	85	--	40' flat trawl
1906	12° 19'	82° 27'	9-11-57	1040-1140	325	--	85	85	--	40' flat trawl
1907	12° 25'	82° 23'	9-11-57	1250-1350	400-425	--	86	85	--	40' flat trawl
1908	12° 33'	82° 20'	9-11-57	1525-1625	350	--	82	85	--	40' flat trawl
1909	12° 35'	82° 18'	9-11-57	1755-1855	350	--	81	85	--	40' flat trawl
1910	12° 30'	82° 18'	9-11-57	2010-2110	350	gy.M.	81	85	--	40' flat trawl
1911	12° 44'	82° 14'	9-11-12-57	2250-2350	350	--	81	85	--	40' flat trawl
1912	12° 43'	82° 15'	9-12-57	0105-0205	325	--	80	85	--	40' flat trawl
1913	12° 54'	82° 15'	9-12-57	0325-0425	300	--	75	85	--	40' flat trawl
1914	13° 06'	82° 13'	9-12-57	0525-0630	350	--	75	85	--	40' flat trawl
1915	13° 13'	82° 13'	9-12-57	0745-0845	350	yl.M.	75	85	--	40' flat trawl
1916	13° 18'	82° 12'	9-12-57	1020-1120	350	Co.	87	85	--	40' flat trawl
1917	13° 20'	82° 02'	9-12-57	1640-1740	325	gy.M.	82	85	--	40' ballerina trawl
1918	13° 25'	82° 01'	9-12-57	1845-1945	300	--	80	85	--	40' ballerina trawl
1919	13° 30'	82° 00'	9-12-57	2100-2200	275-300	--	80	85	--	40' ballerina trawl
1920	13° 31'	81° 54'	9-12-57	2305-0005	300	--	81	85	--	40' ballerina trawl
1921	13° 33'	81° 55'	9-13-57	0140-0240	275	--	82	85	--	40' ballerina trawl
1922	13° 34'	81° 53'	9-13-57	0355-0455	275	--	82	85	--	40' ballerina trawl
1923	13° 39'	81° 52'	9-13-57	0605-0705	275	--	83	85	--	40' ballerina trawl
1924	12° 56'	82° 12'	9-13-57	0820-0920	275	--	82	85	--	40' ballerina trawl
1925	12° 52'	82° 11'	9-13-57	1030-1130	250	--	83	85	--	40' ballerina trawl
1926	12° 55'	82° 16'	9-13-57	1240-1340	300	--	83	85	--	40' ballerina trawl
1927	13° 07'	82° 08'	9-13-57	1530-1630	300	--	82	85	--	40' ballerina trawl
1928	13° 14'	82° 06'	9-13-57	1845-1945	300	--	82	85	--	40' ballerina trawl
1929	13° 22'	82° 04'	9-13-57	2150-2250	300	--	82	85	--	40' ballerina trawl
1930	13° 20'	81° 57'	9-14-57	0055-0140	300	--	83	85	--	40' flat trawl
1931	13° 66'	81° 66'	9-14-57	0610-0710	275	--	82	85	--	40' flat trawl
1932	13° 58'	81° 43'	9-14-57	0940-1040	300	--	85	85	--	40' flat trawl
1933	14° 08'	81° 43'	9-14-57	1510-1410	300	--	84	86	--	40' flat trawl
1934	16° 00'	82° 05'	9-15-57	1225-1325	21	Spg.Sb.Algae	85	--	--	40' flat trawl
1935	15° 57'	82° 06'	9-15-57	1340-1440	21	Spg.wh.S.	86	86	--	40' flat trawl
1936	15° 64'	82° 06'	9-15-57	1500-1600	21	Sp.wh.S.	85	86	--	40' flat trawl
1937	16° 02'	82° 07'	9-15-57	1750-1850	21	Spg.wh.S.	--	86	--	40' flat trawl
1938	16° 05'	82° 05'	9-15-57	1945-2045	24	Spg.wh.S.	83	86	--	40' flat trawl
1939	16° 40'	82° 30'	9-16-57	0215-0315	300	--	83	86	--	40' flat trawl
1940	16° 41'	82° 26'	9-16-57	0420-0520	374-450	--	85	86	--	40' flat trawl
1941	16° 58'	82° 44'	9-16-57	0740-0745	300	--	86	86	--	40' flat trawl
1942	16° 42'	82° 09'	9-16-57	1135-1235	300	--	86	87	--	40' flat trawl
1943	16° 43'	82° 44'	9-16-57	1405-1505	275	--	88	87	--	40' flat trawl
1944	16° 43'	82° 51'	9-16-57	1625-1655	275	--	82	86	--	40' flat trawl
1945	16° 41'	82° 40'	9-16-57	2100-2200	250-300	--	81	86	--	40' flat trawl
1946	16° 42'	82° 36'	9-16-57	2320-0202	300	--	81	86	--	40' flat trawl
1947	16° 42'	82° 53'	9-17-57	0135-0235	300	--	81	86	--	40' flat trawl

Table 1--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1948	16°42'	82°30'	9-17-57	0510-0610	300	--	83	86	--	40' flat trawl
1949	16°45'	82°25'	9-17-57	0735-0835	300	--	84	86	--	40' flat trawl
1950	16°43'	82°22'	9-17-57	0950-1050	300	--	84	87	--	40' flat trawl
1951	16°45'	82°19'	9-17-57	1230-1315	300	--	85	87	--	40' flat trawl
1952	16°46'	82°16'	9-17-57	1450-1550	300	--	85	87	--	40' flat trawl
1953	16°46'	82°13'	9-17-57	1705-1805	300	--	85	87	--	40' flat trawl
1954	16°45'	82°20'	9-17-57	2010-2110	300	--	85	86	--	40' flat trawl
1955	16°48'	82°33'	9-17-57	2355-0055	550	--	85	86	--	40' flat trawl
1956	17°24'	83°57'	9-18/19-57	--	4	R.5.C.	--	--	--	Trap lift net
1957	17°24'	83°57'	9-19-57	--	4		--	--	--	Trap lift net
1958	17°36'	83°57'	9-20-57	--	3000	--	84	86	--	Jackpoles
1959	26°55'	89°00'	9-23-57	--	1240	--	82	--	--	Jackpoles
1960	27°25'	89°10'	9-23-57	--	1077	--	86	86	--	Jackpoles
1961	29°10'	88°12'	9-24-57	0740-0840	210-215	M.	80	--	--	40' flat trawl
1962	29°11'	88°07'	9-24-57	0925-1025	225	M.	82	85	--	40' flat trawl
1963	29°11'	88°03'	9-24-57	1115-1315	240	M.	77	--	--	40' flat trawl
1964	29°14'	87°53'	9-24-57	1410-1610	250	M.	76	84.5	--	40' flat trawl
1965	29°12'	88°02'	9-24-57	1700-1900	240-250	M.	76	84	--	40' flat trawl
1966	29°13'	87°55'	9-24-57	2010-2210	240	M.	76	--	--	40' flat trawl
1967	29°14'	87°51'	9-25-57	0045-0145	230	M.	77	84	--	40' flat trawl
1968	29°13'	88°00'	9-25-57	0355-0535	225	M.	81	84	--	40' flat trawl
1969	29°10'	88°11'	9-25-57	0630-0830	230-245	M.	80	84.5	--	40' flat trawl
1970	29°12'	88°03'	9-25-57	0925-1125	230-240	M.S.	79.5	84.5	--	40' flat trawl
1971	29°13'	87°54'	9-25-57	1225-1425	250	M.	82	84.5	--	40' flat trawl
1972	29°12'	88°00'	9-25-57	1510-1610	250	M.	82	84	--	40' flat trawl
1973	--	10-16-57	--	--	4		80	--	--	Trap lift net
1974	24°48'	81°30'	10-20-57	--	4		80	--	--	Trap lift net
1975	19°35'	68°41'	10-26-57	0445-0545	1000-7	--	88	86	--	Longline
1976	19°28'	66°00'	10-27-57	0455-0800	4530	--	83	85.5	--	Longline
1977	17°54'	65°07'	10-28-57	0450-0700	2500	--	82	86	--	Longline
1978	15°20'	64°08'	10-29-57	0550-0700	1865	--	80	86	--	Longline
1979	13°17'	63°02'	10-30-57	0450-0700	790	--	82	86	--	Longline
1980	10°10'	59°54'	11-3-57	--	350	bu.M.	84	85	58.6	40' flat trawl
1981	10°03'	60°01'	11-3-57	0815-0945	200	--	82	85	61.3	40' flat trawl
1982	10°00'	59°59'	11-3-57	1105-1305	250	--	84	85	65.9	40' flat trawl
1983	09°53'	59°53'	11-3-57	1520-1610	125	--	83	--	--	40' flat trawl
1984	09°45'	59°45'	11-3-57	1820-1950	200	bu.M.	85	--	--	40' flat trawl
1985	09°41'	59°47'	11-3-57	2100-2215	150	bu.M.	80	85	--	40' flat trawl
1986	09°39'	59°47'	11-4-57	2305-0020	100	bu.M.	80	85	--	40' flat trawl
1987	09°36'	59°44'	11-4-57	0115-0215	80	--	80	85	--	40' flat trawl
1988	09°24'	59°41'	11-4-57	0410-0515	110	--	78	85	--	40' flat trawl
1989	09°45'	59°45'	11-4-57	0755-0955	--	--	80	85	--	40' flat trawl
1990	09°40'	59°40'	11-4-57	--	200	Co.	85	--	--	40' flat trawl
1991	05°17'	59°19'	11-4-57	1650-1800	250	Co.	82	86	--	40' flat trawl
1992	05°16'	59°15'	11-4-57	1955-2005	275	--	82	86	--	45' ballerina trawl
1993	05°03'	59°00'	11-4-57	2255-2310	75	Co.Sp.	82	--	--	40' flat trawl
1994	08°10'	57°52'	11-5-57	1055-1115	50	--	84	86	--	40' flat trawl
1995	08°04'	57°50'	11-5-57	1225-1240	40	--	84	85	--	40' flat trawl
1996	08°04'	57°50'	11-5-57	1300-1400	40	--	84	85	--	40' flat trawl
1997	07°55'	57°48'	11-5-57	1500-1600	34	Co.	82	85	--	40' flat trawl
1998	07°55'	57°36'	11-5-57	--	40	--	81	--	--	40' flat trawl
1999	07°55'	57°34'	11-5-57	1905-2005	43	--	81	--	--	45' ballerina trawl
2000	07°55'	57°30'	11-5-57	2045-2145	45	--	--	--	--	45' ballerina trawl
2001	07°55'	57°26'	11-5-57	2300-2400	50	--	80	85	--	45' ballerina trawl
2002	07°52'	57°22'	11-6-57	0110-0210	60	--	80	85	--	45' ballerina trawl
2003	07°42'	57°19'	11-6-57	0315-0415	70	--	80	86	--	45' ballerina trawl
2004	07°44'	56°52'	11-6-57	0530-0625	200	--	85	66	55.8	40' flat trawl
2005	07°34'	54°50'	11-6-57	2305-0205	200	--	80	--	--	40' flat trawl
2006	07°36'	54°42'	11-7-57	0345-0700	225	bu.M.	80	86	--	40' flat trawl
2007	07°34'	54°43'	11-7-57	0750-0950	225	bu.M.	80	86	47.5	40' flat trawl
2008	07°38'	54°43'	11-7-57	1050-1235	250	bu.M.	82	86	48.7	40' flat trawl
2009	07°40'	54°47'	11-7-57	1500-1800	300	bu.M.	84	86	--	40' flat trawl
2010	07°44'	54°40'	11-7-57	1910-2216	350	--	80	--	--	40' flat trawl
2011	07°46'	54°36'	11-7-57	2330-0230	400	--	80	84	--	40' flat trawl
2012	07°34'	54°19'	11-8-57	0610-0810	150	--	84	84	--	40' flat trawl
2013	07°30'	54°16'	11-8-57	0810-1110	125	--	--	--	--	40' flat trawl
2014	07°32'	54°12'	11-8-57	1205-1250	100	--	--	--	--	40' flat trawl
2015	07°38'	54°11'	11-8-57	1350-1530	75	--	84	84	--	40' flat trawl
2016	07°18'	54°08'	11-8-57	1800-1900	50	--	80	84	--	40' flat trawl
2017	07°12'	54°08'	11-8-57	1950-2050	40	--	80	84	--	40' flat trawl
2018	07°05'	54°08'	11-8-57	2150-2250	35	--	80	84	--	40' flat trawl
2019	06°56'	54°05'	11-8-57	0030-0130	30	S.5b.	--	--	--	40' flat trawl
2020	06°50'	54°04'	11-9-57	--	28	--	81	--	--	40' flat trawl
2021	07°18'	55°32'	11-9-57	0810-0935	100	--	84	85	--	40' flat trawl
2022	07°15'	55°25'	11-9-57	1055-1255	115	--	88	85	--	40' flat trawl
2023	07°15'	55°21'	11-9-57	1330-1530	135	--	88	85	--	40' flat trawl
2024	07°15'	55°15'	11-9-57	1610-1800	160	gy.M.	--	--	--	40' flat trawl
2025	07°12'	55°11'	11-9-57	--	180	bu.M.	79	86	--	40' flat trawl
2026	07°10'	55°12'	11-9-57	2125-2225	200	gn.M.	81	86	--	40' flat trawl
2027	07°12'	55°02'	11-10-57	2430-0230	225	--	80	86	--	40' flat trawl
2028	07°11'	55°58'	11-10-57	0330-0630	250	--	80	85	--	40' flat trawl
2029	07°11'	55°56'	11-10-57	0730-1030	275	--	84	85	--	40' flat trawl
2030	07°10'	55°55'	11-10-57	1140-1440	300	M.	80	85	--	40' flat trawl
2031	07°10'	55°50'	11-10-57	1615-1915	350	M.	80	86.5	--	40' flat trawl
2032	06°59'	55°53'	11-10-57	2330-0020	50	--	--	--	--	40' flat trawl
2033	06°29'	55°52'	11-11-57	0155-0255	40	--	--	--	--	40' flat trawl
2034	06°25'	55°50'	11-11-57	0340-0440	36	--	--	--	--	40' flat trawl
2035	06°20'	55°51'	11-11-57	0650-0750	35	--	84	--	--	40' flat trawl
2036	06°13'	55°53'	11-11-57	1000-1100	30	--	82	86	--	40' flat trawl
2037	05°51'	55°00'	11-11-57	1600-1700	19	--	--	--	--	40' flat trawl
2038	05°46'	55°00'	11-11-57	1740-1840	15	--	--	--	--	40' flat trawl
2039	05°47'	55°55'	11-11-57	1935-2035	20	S.5b.	82	--	--	40' flat trawl
2040	05°43'	55°50'	11-11-57	2125-2225	20	--	80	86	--	40' ballerina trawl
2041	05°55'	55°46'	11-12-57	2330-0030	25	--	80	86	--	45' ballerina trawl
2042	05°57'	55°45'	11-12-57	--	30	--	80	86	--	45' ballerina trawl
2043	05°58'	55°44'	11-12-57	0205-0305	31	--	80	86	--	45' ballerina trawl
2044	05°52'	55°03'	11-12-57	1535-1635	40	--	80	86	--	45' ballerina trawl
2045	05°46'	55°02'	11-12-57	1805-1905	38	--	80	86	--	45' ballerina trawl
2046	05°39'	55°56'	11-12-57	2040-2140	37	--	80	86	--	40' flat trawl
2047	05°35'	55°50'	11-12-57	2305-2405	38	--	--	--	--	40' flat trawl
2048	04°00'	50°55'	11-13-57	1520-1620	28	M.Sh.	86	--	--	40' flat trawl
2049	04°02'	50°33'	11-13-57	1640-1740	36	M.	--	--	--	40' flat trawl
2050	04°04'	50°32'	11-13-57	1810-1910	40	M.Sh.	81	--	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Sec.	
Fathoms										
2051	04°05'	50°27'	11-13-57	2000-2100	50	--	--	--	--	40' flat trawl
2052	04°03'	50°26'	11-13-57	--	50	--	--	--	--	40' flat trawl
2053	04°02'	50°22'	11-13-57	2240-2340	50	--	80	86	--	40' flat trawl
2054	--	--	11-14-57	0050-0140	50	--	80	86	--	40' flat trawl
2055	02°34'	49°18'	11-14-57	1600-1700	10	--	80	86	--	40' flat trawl
2056	02°32'	49°17'	11-14-57	1720-1820	10-12	--	78	86	--	40' flat trawl
2057	02°31'	49°10'	11-14-57	1950-2050	15	--	80	86	--	40' flat trawl
2058	02°29'	49°58'	11-14-57	2205-2305	20	--	80	86	--	40' flat trawl
2059	02°29'	49°55'	11-15-57	0015-0045	23	M.	--	--	--	40' flat trawl
2060	02°29'	49°54'	11-15-57	0105-0205	47	--	--	--	--	40' flat trawl
2061	02°31'	49°48'	11-15-57	0300-0400	55-60	M.	--	--	--	40' flat trawl
2062	02°40'	48°39'	11-15-57	0500-0600	55	--	86	85.5	--	40' flat trawl
2063	02°35'	48°14'	11-15-57	0940-1040	53	5.	88	84.5	--	40' flat trawl
2064	02°32'	47°56'	11-15-57	1405-1505	60-65	--	82	84.5	--	40' flat trawl
2065	02°40'	47°56'	11-15-57	1000-1020	63	--	--	--	--	40' flat trawl
2066	02°40'	47°55'	11-15-57	1705-1805	110	--	--	--	--	40' flat trawl
2067	02°41'	47°48'	11-15-57	1925-2000	180	--	81	--	--	40' flat trawl
2068	02°35'	47°48'	11-15-57	2115-2215	120	--	83	85	--	40' flat trawl
2069	02°30'	47°50'	11-15-57	2350-0050	65	--	82	85	--	40' flat trawl
2070	02°15'	48°08'	11-16-57	1620-1720	45	--	77	85	--	40' flat trawl
2071	02°14'	48°10'	11-16-57	1740-1840	42	--	78	83.5	--	40' flat trawl
2072	02°10'	48°12'	11-16-57	1925-2025	75-25	--	78	83.5	--	40' flat trawl
2073	02°08'	48°14'	11-16-57	2050-2150	25-30	--	78	83.5	--	40' flat trawl
2074	02°00'	48°19'	11-16-57	--	25	--	78	83.5	--	40' flat trawl
2075	01°57'	48°15'	11-17-57	0120-0220	26	--	--	--	--	40' flat trawl
2076	01°57'	48°12'	11-17-57	0315-0420	30	--	--	--	--	40' flat trawl
2077	01°56'	47°49'	11-17-57	0815-0915	30	--	82	83.5	--	40' flat trawl
2078	01°50'	47°28'	11-17-57	1022-1122	40	--	82	83.5	--	40' flat trawl
2079	01°50'	47°31'	11-17-57	1330-1430	45	--	82	83.5	--	40' flat trawl
2080	01°04'	47°00'	11-17-57	1725-1825	125	--	80	83.5	--	40' flat trawl
2081	01°52'	46°54'	11-17-57	2135-2235	175	R.	80	83	--	40' flat trawl
2082	01°51'	46°50'	11-17-57	2340-0055	200	--	82	83	--	40' flat trawl
2083	01°49'	46°48'	11-18-57	0200-0400	225	--	80	83	--	40' flat trawl
2084	01°45'	46°46'	11-18-57	0520-0720	275	--	84	83	--	40' flat trawl
2085	01°37'	46°45'	11-18-57	0945-1045	63-65	--	86	83	--	40' flat trawl
2086	01°28'	46°47'	11-18-57	1210-1310	45	--	88	--	--	40' flat trawl
2087	01°20'	46°50'	11-18-57	1507-1508	35	--	84	83	--	40' flat trawl
2088	01°10'	46°52'	11-18-57	1700-1715	30	--	84	83	--	40' flat trawl
2089	01°05'	46°54'	11-18-57	1810-1840	30	--	82	83	--	40' flat trawl
2090	00°56'	46°56'	11-18-57	2000-2035	30	--	80	83	--	40' flat trawl
2091	00°33'	47°03'	11-18-57	--	20	--	82	83	--	40' flat trawl
2092	00°23'	47°05'	11-19-57	0120-0150	21	--	--	--	--	40' flat trawl
2093	29°21'	88°55'	1-30-58	0950-1010	15-18	br.M.	56	65	--	30' midwater trawl
2094	29°21'	88°52'	1-30-58	1040-1112	15-18	M.	56	65	--	30' midwater trawl
2095	29°21'	88°57'	1-30-58	1206-1345	15-18	M.	56	65	--	30' midwater trawl
2096	29°22'	88°57'	1-30-58	1510-1545	15-18	M.	60	65	--	30' midwater trawl
2097	29°25'	88°50'	1-31-50	0520-0550	11-13	M.	60	63-65	--	30' midwater trawl
2098	29°25'	88°48'	1-31-50	0610-0655	11-13	M.	60	63-63	--	30' midwater trawl
2099	29°26'	88°52'	1-31-50	0825-0845	9-12	M.	60	65	--	30' midwater trawl
2100	29°39'	88°36'	1-31-50	1116-1145	10	--	66	61	--	30' midwater trawl
2101	29°51'	88°36'	1-31-50	1350-1420	13-11	--	63	60	--	30' midwater trawl
2102	29°58'	88°42'	1-31-50	1535-1605	9-10	--	63	59	--	30' midwater trawl
2103	29°16'	88°36'	2-4-58	1010-1040	37	--	65	65	--	30' midwater trawl
2104	29°18'	88°37'	2-4-58	1055-1125	37	--	60	65	--	30' midwater trawl
2105	29°16'	88°31'	2-5-58	0625-0648	45	--	68	64	--	30' midwater trawl
2106	29°16'	88°32'	2-5-58	0705-0725	45	--	68	63	--	30' midwater trawl
2107	29°16.5'	88°31.5'	2-5-58	--	43	--	86	68-65	--	30' midwater trawl
2108	29°16'	88°39.5'	2-5-58	1035-1105	35	--	60	68	--	30' midwater trawl
2109	29°28'	88°48'	2-5-58	--	10	--	--	--	--	30' midwater trawl
2110	29°54'	88°06'	2-16-58	1125-1133	17	--	58	--	--	30' midwater trawl
2111	29°21'	88°30'	2-17-58	1040-1110	33	--	40	68	--	30' midwater trawl
2112	29°22'	88°37'	2-17-58	1215-1245	31	--	40	68	--	30' midwater trawl
2113	--	--	2-17/18-58	--	6-7	S.	30	53	--	Dip net
2114	30°11'	88°34'	2-24-58	1445-1505	8-6	--	65	58	--	30' midwater trawl
2115	30°09'	88°29'	2-24-58	1610-1640	7	--	60	57	--	30' midwater trawl
2116	29°35'	88°04'	2-25-58	1855-1925	32	--	64	67	--	30' midwater trawl
2117	30°22'	88°46'	2-26-58	1540-1610	10	S.M.	60	60.5	--	30' midwater trawl
2118	29°28'	88°12'	2-28-58	1937-2007	26	--	65	61.5	--	30' midwater trawl
2119	29°29'	88°10'	2-28-58	2104-2106	27	--	61	62	--	30' midwater trawl
2120	29°29'	88°13'	2-28-58	2214-2239	27	--	60	61.5	--	30' midwater trawl
2121	29°28'	88°12'	2-28-58	2315-2245	27	--	61	62	--	30' midwater trawl
2122	29°19'	88°58'	3-7-58	1225-1255	13-16	--	67	65-67.5	--	41' midwater trawl
2123	29°20'	88°54.5'	3-7-58	1320-1405	15-12	--	70	68-64	--	41' midwater trawl
2124	29°19'	88°56.5'	3-7-58	1447-1537	14-10	M.	68	64-65.5	--	41' midwater trawl
2125	29°19'	88°00'	3-7-58	1552-1638	10-17	M.	65	65	--	41' midwater trawl
2126	29°22'	88°56.5'	3-7-58	1727-1814	10-16	--	66	64-65.5	--	41' midwater trawl
2127	29°20'	88°55.5'	3-7-58	1835-1918	16-14	--	66	--	--	41' midwater trawl
2128	29°20'	88°50'	3-7-58	2041-2115	22-15	--	66	64-68	--	41' midwater trawl
2129	--	--	3-8-58	1530-1625	10	hrd.S.	68	67-69	--	125' midwater trawl
2130	29°34.5'	88°38'	3-8-58	1801-1831	11-15	--	64	69	--	41' midwater trawl
2131	29°19'	88°43'	3-9-58	0956-1001	32-33	M.	65	66-67	--	40' midwater trawl
2132	29°14'	88°26'	3-9-58	1240-1245	32	C.R.	62	70.5	--	41' midwater trawl
2133	29°12.5'	88°39'	3-9-58	1451-1457	40	--	60	--	--	40' midwater trawl
2134	29°13'	88°38'	3-9-58	1525-1558	40	--	60	--	--	40' midwater trawl
2135	29°13'	88°40'	3-9-58	1900-1925	40	M.	62	70	--	41' midwater trawl
2136	29°14'	88°37.5'	3-9-58	2025-2057	41	EY.M.	--	70.5	--	41' midwater trawl
2137	29°12'	88°37'	3-9-58	2115-2145	41	--	66	70	--	41' midwater trawl
2138	29°43.5'	88°43'	3-10/11-58	0130-0430	9	hrd.S.	60	63.5	--	Dip net
2139	29°37.5'	88°38'	3-11-58	--	10-9	--	62	--	--	41' midwater trawl
2140	29°48'	88°45'	3-11-58	1111-1132	7	hrd.S.	62	62	--	41' midwater trawl
2141	29°50'	88°44'	3-11/12-58	--	7	S.	--	63	--	Dip net
2142	30°2.5'	88°15'	3-12-58	1107-1117	6	S.	58	63.5	--	41' midwater trawl
2143	30°2'	88°15'	3-12-58	1245-1300	6.5	S.	58	--	--	41' midwater trawl
2144	30°14'	88°11'	3-12-58	1526-1542	5	S.	62	64	--	41' midwater trawl
2145	30°13'	88°14'	3-12-58	1809-1819	61	S.	62	63.5	--	41' midwater trawl
2146	30°13'	88°30'	3-12-58	--	4	S.	62	--	--	Dip net
2147	29°12'	88°08'	3-13-58	1206-1217	6-5	S.	58	63	--	41' midwater trawl
2148	30°14'	88°08.5'	3-13-58	1255-1255	5	M.	58	--	--	41' midwater trawl
2149	30°14.5'	88°08.5'	3-13/14-58	--	4	S.	--	--	--	Dip net
2150	--	--	4-3-58	--	--	S.	66	66	--	Dip net
2151	30°3'	88°09'	4-4-58	0834-0904	4-5	S.	65	66-68	--	40' midwater trawl
2152	30°3.5'	88°09'	4-4-58	1008-1038	6	--	68	--	--	40' midwater trawl
2153	30°3.5'	88°07.5'	4-4-58	1156-1226	6	S.	70	67-69.5	--	41' midwater trawl
2154	30°12'	88°12'	4-4-58	1716-1746	4-5	S.	67	70-70.5	--	41' midwater trawl
2155	30°14'	88°11.5'	4-4-58	--	4	S.	66	--	--	Dip net

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used	
	Lat. N.	Long. W.						° F.	° F.	° F.	
					Fathoms						
2156	--	--	4-6-58	--	5	S.	--	--	--	--	Dip net
2157	28°12'	83°43'	4-8-58	0310-0325	18 $\frac{1}{2}$	--	62	66	--	40'	midwater trawl
2158	28°04'	83°42'	4-8-58	2335-2355	19	--	64	67	--	40'	midwater trawl
2159	28°03'	83°50'	4-9-58	--	21	--	64	66	--	Dip net	
2160	28°01'	83°51'	4-9-58	1255-1330	21 $\frac{1}{2}$	--	--	--	--	40'	midwater trawl
2161	28°01'	83°49'	4-9-58	1436-1515	21	--	67	67	--	40'	midwater trawl
2162	26°35.5'	82°53'	4-14-58	2240-2255	21-19	S.	68	69.5	--	40'	midwater trawl
2163	26°34.5'	82°52.5'	4-14-58	2332-2347	19-20	S.	68	69.5	--	40'	midwater trawl
2164	26°37.5'	82°53.5'	4-15-58	0012-0027	19-18	--	68	69.5	--	40'	midwater trawl
2165	26°37'	82°53.5'	4-15-58	0058-0113	19	--	68	69.5-69	--	41'	midwater trawl
2166	--	--	4-15-58	--	19	--	68	69.5	--	Dip net	
2167	27°48.5'	83°28.5'	4-18-58	2058-2113	19-20	--	68	67.5	--	41'	midwater trawl
2168	27°48.5'	83°28.5'	4-18-58	2206-2226	19-20	--	68	67.5	--	41'	midwater trawl
2169	27°55'	83°35'	4-18-58	--	20	--	--	67	--	1000 watt light	
2170	27°56'	83°36'	4-19-58	0725-0745	20	--	--	66.5	--	40'	midwater trawl
2171	27°52'	83°34'	4-19-58	--	20	--	70	64.5	--	1000 watt light	
2172	27°52'	83°34'	4-20-58	--	20	--	70	64.5	--	Lampara net	
2173	30°04'	88°45.5'	4-22-58	1330-1415	7 $\frac{1}{2}$	S.	70	74	--	60/40' midwater trawl	
2174	--	--	5-11/12-58	--	15	--	--	81	--	Dip net	
2175	--	--	5-12/13-58	--	15	S.Rk.Co.	--	81	--	Dip net	
2176	22°20'	88°45'	5-14/15-58	--	30	--	77	80	--	Dip net	
2177	22°23'	88°43'	5-15-58	0348-0412	28	--	77	80	--	41' midwater trawl	
2178	22°21'	88°47'	5-15-58	1947-2017	29-28	Co.Rk.	79	81.5	--	41' midwater trawl	
2179	22°19'	88°50'	5-15-58	2039-2111	28	--	75	81	--	--	
2180	22°11'	90°22'	5-17-58	0415-0445	27	--	78	81.5	--	41' midwater trawl	
2181	21°45'	90°50'	5-18-58	--	21	--	70	81	--	Dip net	
2182	--	--	5-18/19-58	--	5	Co.	79.5	83.5	--	Dip net	
2183	20°47'	91°27'	5-19-58	2127-2157	20	--	79	83	--	41' midwater trawl	
2184	20°47'	91°30'	5-19-58	2228-2258	20	--	79	83	--	41' midwater trawl	
2185	20°12'	91°59'	5-20/21-58	--	8	Co.Rk.S.	80	83	--	Dip net	
2186	22°14'	91°35'	5-21-58	2245-2315	65	Rk.S.Co.	78	83	--	41' midwater trawl	
2187	22°14'	91°35'	5-21/22-58	2400-0010	65	--	80	83	--	41' midwater trawl	
2188	22°14'	91°41'	5-22-58	--	65	--	82	83	--	Dip net	
2189	22°18'	91°21.5'	5-22-58	0402-0432	63	--	78	82.5	--	41' midwater trawl	
2190	23°00'	89°95'	5-22/23-58	--	14	--	78	82.5	--	Dip net	
2191	25°11'	89°50'	5-23-58	2010-2310	1800	M.	79	--	--	41' midwater trawl	
2192	25°29'	88°41'	5-25-58	1605-1635	10	M.	82	84	--	41' midwater trawl	
2193	25°42'	88°40'	5-25-58	1745-1800	10-8	M.	82	84-85	--	40' midwater trawl	
2194	25°31'	88°48'	5-25-58	2015-2045	10	M.	80	83.5	--	41' midwater trawl	
2195	25°33'	88°50'	5-25/26-58	--	10	Cl.M.	82	83.5	--	1000 watt light	
2196	24°05'	91°46'	6-22-58	1552-2200	2000	--	86	86.5-87	--	40' flat trawl	
2197	24°34'	92°05'	6-23-58	0400-1200	2000-1950	--	84	86.5	--	40' flat trawl	
2198	24°50'	92°35'	6-23/24-58	1740-0230	2000	--	88	87	--	40' flat trawl	
2199	24°42'	92°18'	6-24-58	0840-1440	2000	br.M.	84	87.5	--	40' flat trawl	
2200	25°20'	92°25'	6-24-58	2040-2240	1800	--	85	87	--	40' flat trawl	
2201	25°30'	92°15'	6-25-58	0050-0250	1800-1750	--	82	86.5	--	40' flat trawl	
2202	25°58'	88°11'	6-26-58	1445-1745	625	--	81	86	--	40' flat trawl	
2203	25°15.5'	88°12'	6-26-58	--	125	M.	79	85	--	40' flat trawl	
2204	27°42'	85°09'	7-17-58	1110-1125	12-14 $\frac{1}{2}$	--	84	87.5	--	40' midwater trawl	
2205	27°40'	82°50'	7-18-58	0740-0800	5-6	--	82	--	--	40' midwater trawl	
2206	27°40'	82°55'	7-18-58	0825-0835	8	--	83	--	--	40' midwater trawl	
2207	05°58'	61°11'	8-26-58	1520-1535	20-22	S.	82	88	--	40' flat trawl	
2208	05°55'	60°53'	8-26-58	1705-1805	34-33	M.S.	80	86	--	40' flat trawl	
2209	05°45'	60°47'	8-26-58	1950-2050	20-22	bu.M.	80	86	--	40' flat trawl	
2210	05°39'	60°49'	8-26-58	2135-2235	15	M.S.	80	86	--	40' flat trawl	
2211	05°59'	60°49'	8-26/27-58	2310-0110	15-13	S.M.	80	86	--	40' flat trawl	
2212	05°53'	60°42'	8-27-58	0130-0300	15-18	S.M.	80	86	--	40' flat trawl	
2213	05°51'	60°36'	8-27-58	0530-0500	26	S.M.	80	85	--	40' flat trawl	
2214	05°29'	60°30'	8-27-58	0530-0700	30	--	80	85	--	40' flat trawl	
2215	05°14'	60°26'	8-27-58	0925-1055	9-10	M.	81	85	--	40' flat trawl	
2216	05°13'	60°11'	8-27-58	1250-1420	35	M.	81	85.5	75.2	40' flat trawl	
2217	05°18'	60°09'	8-27-58	1505-1635	40	M.	80	86	73.6	40' flat trawl	
2218	05°28'	60°04'	8-27-58	1800-1900	42-45	Rk.Sh.	81	--	--	40' flat trawl	
2219	05°42'	59°53'	8-27-58	2120-2125	120	Co.Rk.	80	--	--	40' flat trawl	
2220	05°25'	59°43'	8-28-58	0145-0245	50-55	--	80	86	--	40' flat trawl	
2221	05°22'	59°43'	8-28-58	0300-0400	50	--	78	86	--	40' flat trawl	
2222	08°54'	59°46'	8-28-58	0740-0910	25	--	84	--	--	40' flat trawl	
2223	08°49'	59°43'	8-28-58	--	15	--	--	86	--	40' flat trawl	
2224	08°48'	59°42'	8-28-58	1045-1145	15	--	84	87	77	40' flat trawl	
2225	08°52'	59°10'	8-28-58	1520-1620	22-25	M.S.	82	87	--	40' flat trawl	
2226	08°52'	59°05'	8-28-58	1720-1820	28-33	M.S.	82	87	--	40' flat trawl	
2227	08°30'	59°02'	8-28-58	1905-2000	33-37	S.M.	81	87	--	40' flat trawl	
2228	08°30'	58°56'	8-28-58	2030-2130	37	--	82	87	72.9	40' flat trawl	
2229	08°33'	58°50'	8-28-58	2205-0005	38-41	--	81	87	--	40' flat trawl	
2230	08°33'	58°46'	8-28-58	0020-0220	41-44	--	83	--	--	40' flat trawl	
2231	08°32'	58°42'	8-28-58	0235-0435	45-48	M.	82	--	--	40' flat trawl	
2232	08°51'	58°37'	8-28-58	0450-0650	48-46	Sh.9.	84	--	--	40' flat trawl	
2233	08°29'	58°30'	8-28-58	0835-1035	42-33	S.	82	--	--	40' flat trawl	
2234	08°20'	58°30'	8-29-58	1125-1255	26-23	--	82	86	--	40' flat trawl	
2235	08°15'	58°28'	8-29-58	1410-1610	23	S.	82	86	--	40' flat trawl	
2236	08°09'	58°23'	8-29-58	1655-1855	23	S.	82	85	--	40' flat trawl	
2237	08°06'	58°20'	8-29-58	1915-2115	23-26	bu.M.	82	85	--	40' flat trawl	
2238	08°04'	58°23'	8-29/30-58	2310-0110	23-16	9.M.	81	85	--	40' flat trawl	
2239	07°58'	58°23'	8-30-58	0140-0340	10-11	S.M.	81	85.5	--	40' flat trawl	
2240	07°56'	58°20'	8-30-58	0455-0600	11	--	80	--	--	40' flat trawl	
2241	07°57'	58°13'	8-30-58	0625-0825	13-11	--	86	85	--	40' flat trawl	
2242	08°00'	58°21'	8-30-58	1645-1745	30-27	--	82	85	--	80' semi-balloon trawl	
2243	08°03'	58°24'	8-30-58	1950-2250	25-23	--	82	85	--	80' semi-balloon trawl	
2244	08°12'	58°21'	8-31-58	0135-0345	31-39	M.S.	82	85	--	40' flat trawl	
2245	08°15'	58°17'	8-31-58	0400-0525	39-50	--	83	86	--	40' flat trawl	
2246	07°56'	57°27'	8-31-58	1110-1210	44-48	--	86	--	--	40' flat trawl	
2247	07°55'	57°27'	8-31-58	1235-1340	44-37	--	90	--	--	40' flat trawl	
2248	07°45'	57°34'	8-31-58	1430-1630	35-30	Sh.M.Co.	--	--	--	40' flat trawl	
2249	07°40'	57°34'	8-31-58	1645-1745	30-27	--	82	85	--	40' flat trawl	
2250	07°38'	57°34'	8-31-58	1800-1900	27-26	--	82	85	--	40' flat trawl	
2251	07°35'	57°34'	8-31-58	1915-2015	26-25	--	82	--	--	40' flat trawl	
2252	07°26'	57°37'	8-31-58	2120-2220	17	--	82	85	--	40' flat trawl	
2253	07°05'	57°12'	9-1-58	0230-0330	18	--	81	--	--	40' flat trawl	
2254	07°07'	57°08'	9-1-58	0445-0545	20-22	S.M.	82	85	--	40' flat trawl	
2255	07°09'	57°06'	9-1-58	0600-0700	25	--	83	86	--	40' flat trawl	
2256	07°18'	57°07'	9-1-58	0745-0845	30-32	S.Co.Sh.	83	85	--	40' flat trawl	
2257	07°21'	57°04'	9-1-58	0925-1025	35	--	83	85	--	40' flat trawl	
2258	07°22'	57°01'	9-1-58	1040-1140	40-46	--	83	86	--	40' flat trawl	

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	° F.
2259	07°35'	56°57'	9-1-58	1155-1255	46-52	Sp.	63	86	--	40' flat trawl
2260	07°39'	56°55'	9-1-58	1320-1325	52		63	86	--	40' flat trawl
2261	07°18'	56°49'	9-1-58	1630-1730	33	M.Sp.Sh.	61	85	--	40' flat trawl
2262	07°18'	56°49'	9-1-58	1625-2025	33-30	--	61	85	--	80' semi-balloon trawl
2263	07°12'	56°47'	9-1-58	2135-2335	28-26	--	60	85	--	80' semi-balloon trawl
2264	07°03'	56°45'	9-2-58	0050-0150	22	--	80	--	--	40' flat trawl
2265	06°56'	56°43'	9-2-58	0240-0410	22-21	S.Sp.	63	85	--	40' flat trawl
2266	07°04'	56°05'	9-2-58	1525-1625	31-28	--	61	84.5	--	40' flat trawl
2267	06°58'	56°02'	9-2-58	1700-1800	25	M.	61	84.5	--	40' flat trawl
2268	06°53'	55°59'	9-2-58	1630-1930	24-23	--	62	--	--	40' flat trawl
2269	06°49'	55°57'	9-2-58	1950-2050	22-23	--	82	83.5	--	40' flat trawl
2270	06°44'	55°54'	9-2-58	2120-2220	22-21	--	81	83	--	40' flat trawl
2271	06°34'	55°54'	9-2/3-58	2325-0025	18	--	80	--	--	40' flat trawl
2272	06°30'	55°52'	9-3-58	0115-0230	17	M.Sp.Co.	81	85	--	40' flat trawl
2273	07°00'	55°43'	9-3-58	1145-1245	36-34	--	85	84.5	--	40' flat trawl
2274	06°34'	55°40'	9-3-58	1335-1435	27-26	M.Sp.Sh.	85	84	--	40' flat trawl
2275	06°50'	55°39'	9-3-58	1525-1625	25-24	--	60	84	--	40' flat trawl
2276	06°42'	55°37'	9-3-58	1720-1820	23-22	--	80	84	--	40' flat trawl
2277	06°37'	55°36'	9-3-58	1925-2025	19	--	80	84	--	40' flat trawl
2278	06°31'	55°33'	9-3-58	2200-2300	16	--	80	84	--	40' flat trawl
2279	06°20'	55°34'	9-3-58	2320-0020	14-7	--	80	84	--	40' flat trawl
2280	06°18'	55°30'	9-4-58	0050-0150	7	--	80	84	--	40' flat trawl
2281	06°37'	55°13'	9-7-58	1615-1715	22	--	81	84.5	--	40' flat trawl
2282	06°37'	55°09'	9-7-58	1755-1955	22	M.S.	82	84.5	--	100' flat trawl
2283	06°37'	55°03'	9-7-58	2045-2245	22	M.S.	78	84	--	100' flat trawl
2284	06°48'	55°12'	9-8-58	0115-0315	25	--	80	--	--	100' flat trawl
2285	07°27'	54°54'	9-8-58	1110-1310	135-150	--	80	85	84.5--	40' flat trawl
2286	07°26'	54°49'	9-8-58	1405-1605	105-120	M.	80	85	--	40' flat trawl
2287	07°28'	54°43'	9-8-58	1650-1850	90-95	--	80	--	--	40' flat trawl
2288	07°26'	54°40'	9-8-58	1945-2145	95	--	80	--	--	40' flat trawl
2289	07°25'	54°35'	9-8-58	2220-2240	75-80	Co.Sp.R.	80	--	--	40' flat trawl
2290	07°27'	54°32'	9-8/9-58	--	110	--	80	84.5	--	40' flat trawl
2291	07°27'	54°27'	9-9-58	0215-0415	120-135	M.S.	80	--	--	40' flat trawl
2292	07°28'	54°21'	9-9-58	0545-0745	110-115	M.S.	82	84	--	40' flat trawl
2293	07°27'	54°15'	9-9-58	0910-1110	110-115	--	82	84	--	40' flat trawl
2294	07°25'	54°08'	9-9-58	1240-1440	105-115	M.S.	82	84	--	40' flat trawl
2295	07°27'	53°47'	9-9-58	1510-1710	120-125	--	8	8	--	40' flat trawl
2296	06°29'	52°30'	9-10-58	0645-0845	110-120	M.S.	84	84	--	40' flat trawl
2297	06°00'	52°20'	9-10-58	2135-2235	38-40	M.S.	81	85	--	40' flat trawl
2298	05°58'	52°21'	9-10-58	2255-0045	36-31	--	81	84.5	--	40' flat trawl
2299	05°54'	52°22'	9-11-58	0110-0325	31-33	M.S.	81	84.5	--	62' flat trawl
2300	05°10'	52°38'	9-11-58	0500-0600	35	M.S.	81	85	--	62' flat trawl
2301	05°08'	52°37'	9-11-58	0705-0720	30	M.S.S.	82	85	--	62' flat trawl
2302	05°08'	52°36'	9-11-58	0755-0855	30	M.G.	82	85	--	62' flat trawl
2303	05°04'	52°35'	9-11-58	0915-1015	30	--	88	--	--	62' flat trawl
2304	05°12'	52°34'	9-11-58	1120-1150	38	--	88	85.5	--	62' flat trawl
2305	05°01'	52°22'	9-11-58	1550-1750	36-31	--	82	85.5	--	62' flat trawl
2306	05°58'	52°24'	9-11-58	1815-2015	30-31	--	82	85	--	62' flat trawl
2307A	05°57'	52°20'	9-11-58	2035-2235	31-28	--	82	85	--	62' flat trawl
2307B	05°56'	52°20'	9-11-58	2100-2205	31-28	--	82	85	--	40' flat trawl
2308A	05°56'	52°20'	9-12-58	0015-0145	31	--	81	85	--	62' flat trawl
2308B	05°56'	52°20'	9-12-58	0020-0120	31	--	81	85	--	40' flat trawl
2309	05°54'	52°17'	9-12-58	0310-0510	31-34	--	83	--	--	65' flat trawl
2310	05°30'	52°10'	9-12-58	1610-1710	28	Sh.Co.M.	80	--	--	40' flat trawl
2311	05°45'	52°08'	9-12-58	2050-2120	33	--	80	--	--	40' flat trawl
2312	05°50'	52°21'	9-12-58	2245-2345	37	M.S.	80	85	--	40' flat trawl
2313	05°52'	52°19'	9-13-58	0145-0330	35-36	--	80	85	--	40' flat trawl
2314	06°03'	52°22'	9-13-58	1540-1640	36-37	--	82	86	--	40' flat trawl
2315A	06°01'	52°22'	9-13-58	1655-1910	37-35	--	81	85.5	--	40' flat trawl
2315B	06°01'	52°22'	9-13-58	1700-1900	37-35	--	82	85.5	--	40' flat trawl
2316A	06°10'	52°26'	9-13-58	2035-2235	36	--	81	85	--	40' flat trawl
2316B	06°10'	52°26'	9-13-58	2040-2240	36	--	81	85	--	40' flat trawl
2317A	06°14'	52°31'	9-13-58	2340-0155	36-39	--	80	85	--	40' flat trawl
2317B	06°14'	52°31'	9-13/14-58	2345-0245	36-39	--	80	85	--	40' flat trawl
2318	06°15'	52°35'	9-14-58	0215-0320	37	M.S.	80	85	--	40' flat trawl
2319	07°05'	52°45'	9-14-58	0730-0750	250-240	M.	82	83	--	40' flat trawl
2320	07°05'	52°47'	9-14-58	0910-1105	200	M.bk.S.	86	86.5	--	40' flat trawl
2321A	06°52'	55°18'	9-14-58	1535-1800	34	--	82	--	--	40' flat trawl
2321B	06°52'	55°18'	9-14-58	1540-1740	34	--	82	--	--	40' flat trawl
2322A	06°50'	55°29'	9-14-58	1855-2135	34	--	60	85	--	40' flat trawl
2322B	06°50'	55°29'	9-14-58	1910-2110	34	--	60	85	--	40' flat trawl
2323	06°50'	55°28'	9-15-58	2325-0325	35-50	--	--	--	--	40' flat trawl
2324	06°46'	54°24'	9-15-58	0805-0905	23-24	--	--	--	--	40' flat trawl
2325A	06°24'	54°27'	9-15-58	1200-1325	17	M.S.	87	85	--	40' flat trawl
2326	06°20'	54°20'	9-15-58	1430-1530	15-14	M.	82	85	--	40' flat trawl
2327A	06°26'	54°20'	9-15-58	1635-1810	17	M.S.	81	85	--	40' flat trawl
2327B	06°26'	54°20'	9-15-58	1640-1740	17	M.S.B.	81	85	--	40' flat trawl
2328A	06°33'	54°23'	9-15-58	1905-2020	21	M.	80	85	--	40' flat trawl
2328B	06°33'	54°23'	9-15-58	1910-2110	21	M.	80	85	--	40' flat trawl
2329A	06°40'	54°25'	9-15-58	2155-2335	25-27	M.S.	82	84	--	40' flat trawl
2329B	06°40'	54°25'	9-15-58	2140-2240	25-26	M.S.	82	84	--	40' flat trawl
2330A	06°50'	54°30'	9-16-58	0035-0355	28-30	M.S.	80	84	--	40' flat trawl
2330B	06°50'	54°30'	9-16-58	0040-0330	26-30	M.S.	80	84	--	40' flat trawl
2331A	06°55'	55°04'	9-16-58	1605-1825	30-29	--	81	85	--	40' flat trawl
2331B	06°55'	55°04'	9-16-58	1610-1810	30-29	--	81	85	--	40' flat trawl
2332A	06°53'	54°59'	9-16-58	1840-2135	29-31	M.S.	81	85	--	40' flat trawl
2332B	06°54'	55°00'	9-16-58	1925-2125	29-31	M.S.	81	85	--	40' flat trawl
2333A	06°58'	55°03'	9-16/17-58	2155-0110	30-31	M.S.	80	84	--	40' flat trawl
2333B	06°58'	55°03'	9-16/17-58	2200-0100	30-31	M.S.	80	84	--	40' flat trawl
2334A	06°56'	54°55'	9-17-58	0130-0330	31	M.	80	84	--	40' flat trawl
2334B	06°56'	54°55'	9-17-58	0140-0320	31	M.	81	84	--	40' flat trawl
2335A	06°50'	55°34'	9-17-58	1550-1820	28	M.S.	81	84	--	40' flat trawl
2335B	06°50'	55°34'	9-17-58	1600-1600	28	M.S.	81	84	--	40' flat trawl
2336A	06°49'	55°31'	9-17-58	1850-2205	27	G.M.S.	82	85	--	40' flat trawl
2336B	06°49'	55°30'	9-17-58	1925-2155	27	M.S.	82	--	--	40' flat trawl
2337A	06°50'	55°23'	9-17/18-58	2240-0215	29	M.	80	84	--	40' flat trawl
2337B	06°50'	55°23'	9-17/18-58	2250-0150	29	M.S.	80	84	--	40' flat trawl
2338A	06°52'	55°20'	9-18-58	0235-0400	29	M.S.	81	84	--	40' flat trawl
2338B	06°52'	55°20'	9-18-58	0240-0345	29	M.S.	81	84	--	40' flat trawl
2339A	07°12'	57°22'	9-18-58	1605-1720	17	S.M.	82	84	--	40' flat trawl
2339B	07°12'	57°22'	9-18-58	1610-1710	17	S.M.	82	84	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2340A	07°21'	57°23'	9-18-58	1840-2025	25	--	81	85	--	40' flat trawl
2340B	07°21'	57°23'	9-18-58	1845-2005	25	M.S. Trash	81	85	--	40' flat trawl
2341A	07°23'	57°30'	9-18-58	2015-2310	20	--	81	85	--	40' flat trawl
2341B	07°23'	57°30'	9-18-58	2120-2250	20	--	81	85	--	40' flat trawl
2342A	07°28'	57°38'	9-18/19-58	2330-0145	17-15	S.M.	80	85	--	40' flat trawl
2342B	07°28'	57°38'	9-18/19-58	2335-0135	17-15	S.M.	80	85	--	40' flat trawl
2343A	07°34'	57°45'	9-19-58	0220-0345	20-19	M.S.	83	85	--	40' flat trawl
2343B	07°34'	57°45'	9-19-58	0225-0335	20-19	M.S.	83	85	--	40' flat trawl
2344A	08°10'	58°18'	9-19-58	1555-1610	35-35	S.	82	85	--	40' flat trawl
2344B	08°10'	58°18'	9-19-58	1600-1800	35-35	S.	82	85	--	40' flat trawl
2345A	08°12'	58°25'	9-19-58	1830-2045	35-34	S.	81	85	--	40' flat trawl
2345B	08°12'	58°25'	9-19-58	1835-2035	35-34	S.	81	85	--	40' flat trawl
2346A	08°16'	58°20'	9-19-58	2125-2405	29	--	81	85	--	40' flat trawl
2346B	08°16'	58°21'	9-19-58	2155-2355	29	--	81	85	--	40' flat trawl
2347A	08°10'	58°28'	9-20-58	0040-0405	29-29	--	81-87	85	--	40' flat trawl
2347B	08°10'	58°28'	9-20-58	0045-0345	29-29	--	81-87	85	--	40' flat trawl
2348A	09°32'	60°24'	9-20-58	1620-1840	33	--	82	--	--	40' flat trawl
2348B	09°32'	60°24'	9-20-58	1530-1830	33	--	82	--	--	40' flat trawl
2349A	09°34'	60°31'	9-20-58	1925-2150	30-31	S.	80	85	--	40' flat trawl
2349B	09°35'	60°31'	9-20-58	1940-2140	30-31	--	80	85	--	40' flat trawl
2350	10°58'	61°45'	9-23-58	0500-0550	65-66	--	90	--	--	40' flat trawl
2351	11°31'	62°20'	9-23-58	1110-1310	200-185	M.	84	--	--	40' flat trawl
2352	11°35'	62°25'	9-23-58	1435-1530	220-275	--	83	86	--	40' flat trawl
2353	11°35'	62°41'	9-23-58	1720-1920	212-250	M.	82	--	--	40' flat trawl
2354	11°34'	63°02'	9-23-58	2110-2115	175	Rk.M.	82	83.5	--	40' flat trawl
2355	17°23'	63°22'	9-25-58	0905-0925	11-12	Sp.Rk.	83	--	--	40' flat trawl
2356	17°33'	63°35'	9-25-58	1205-1235	125-132	--	83	--	--	40' flat trawl
2357	20°03'	91°56'	11-25-58	--	25 ₁	--	79	--	--	Rectangular fish trap
2358	20°00'	91°50'	11-26-58	--	25	--	--	--	--	Rectangular fish trap
2359	20°07'	91°54'	11-26-58	--	21	--	83	--	--	Rectangular fish trap
2360	19°41'	91°50'	11-28-58	--	25 ₂	--	80	--	--	Rectangular fish trap
2361	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2362	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2363	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2364	20°00'	91°30'	12-4-58	--	27	Co.S.	--	--	--	Rectangular fish trap
2365	20°00'	91°30'	12-4-58	--	24 ₂	Co.S.	77	--	--	Rectangular fish trap
2366	22°10'	91°20'	12-4-58	--	35	S.Co.	77	--	--	Rectangular fish trap
2367	22°10'	91°20'	12-5-58	--	33	S.Co.	77	--	--	Rectangular fish trap
2368	22°10'	91°20'	12-5-58	--	31	S.Co.	--	--	--	Rectangular fish trap
2369	22°10'	91°20'	12-5-58	--	32	S.Co.	--	--	--	Rectangular fish trap
2370	22°10'	91°20'	12-5-58	--	32	S.Co.	--	--	--	Rectangular fish trap
2371	29°06'	88°12'	1-8-59	2230-2250	220-350	--	--	--	51	40' midwater trawl
2372	29°00'	88°24'	1-22-59	--	380	--	49	--	--	40' flat trawl
2373	29°26'	88°41'	1-23-59	1010-1040	22-24	--	48	66	--	41' midwater trawl
2374	29°32'	88°41'	1-23-59	1740-1800	17-18	M.	46	--	63	41' midwater trawl
2375	29°26'	88°46'	1-24-59	0950-1010	16-12	S.	60	64	68	41' midwater trawl
2376	29°42'	88°10'	1-26-59	1229-1320	19.5-20	S.	62	--	--	41' midwater trawl
2377	29°45.5'	88°12'	1-26-59	1425-1440	21	S.	64	65	--	40' midwater trawl
2378	29°10'	88°30'	1-26-59	1933-2055	100-150	M.S.	--	57	--	41' midwater trawl
2379	29°25'	88°50'	1-27-59	0830-0900	15-13	--	63	--	61	40' midwater trawl
2380	29°25'	88°52'	1-27-59	0925-0955	11	--	60	--	61	40' midwater trawl
2381	29°25'	88°50'	1-27-59	1010-1030	12-11	M.	58	--	61	40' midwater trawl
2382	29°26'	88°51'	1-27-59	1435-1503	13-14	--	60.5	64	65	40' midwater trawl
2383	29°25'	88°53'	1-27-59	1525-1555	14	--	61	64	--	41' midwater trawl
2384	29°23'	88°51'	1-27-59	1620-1715	14-15	--	--	--	61	41' midwater trawl
2385	29°26'	88°54'	1-27-59	1730-1830	10	--	62	64	--	41' midwater trawl
2386	29°36'	88°42'	1-28-59	0920-0950	9.5-10	--	56	60	57	40' midwater trawl
2387	30°08'	88°35'	1-29-59	1140-1150	9	M.S.	61	60	58	41' midwater trawl
2388	30°00'	88°44'	1-29-59	1255-1310	9	--	61	60	56	41' midwater trawl
2389	30°02'	88°42.5'	1-29-59	1340-1411	8-9.5	M.	61	60	56	41' midwater trawl
2390	29°26'	88°51'	1-30-59	1225-1257	9	M.S.	60	63	69	40' midwater trawl
2391	29°24.5'	88°54'	1-30-59	1315-1345	9	M.S.	60	65	59	40' midwater trawl
2392	29°25'	88°55'	1-30-59	1400-1425	9	M.S.	60	63.5	61	40' midwater trawl
2393	29°25'	88°54'	1-30-59	1442-1527	9	M.S.	60	63-64	61	40' midwater trawl
2394	29°27'	88°52'	1-30-59	1543-1643	8.5-9	M.S.	60	63-64	61	40' midwater trawl
2395	29°26'	88°51'	1-30-59	1708-1608	9	M.S.	60	63-64	60	40' midwater trawl
2396	28°59'	88°37'	1-31-59	1807-1907	265-290	--	70	64	59	40' midwater trawl
2397	30°10'	88°16'	2-3-59	1715-1801	10	S.	58	61	60	40' midwater trawl
2398	30°06'	88°18'	2-3-59	--	10	S.	56	61-66	60	40' midwater trawl
2399	29°01'	87°55'	2-4-59	0508-0708	510-400	--	66	67	53	40' midwater trawl
2400	29°14'	88°26'	2-26-59	0620-0630	60-70	--	56	70	67	60' midwater trawl
2401	29°13'	88°44'	2-26-59	1025-1055	38	--	60	67	--	60' midwater trawl
2402	29°12'	88°41'	2-26-59	1820-1915	40	--	61	70	--	60' midwater trawl
2403	29°19'	88°58'	2-27-59	1005-1030	12	M.S.	57	65	--	40' midwater trawl
2404	29°21'	88°58'	2-27-59	1050-1130	10	--	58	64	--	40' midwater trawl
2405	29°20'	88°55'	2-27-59	1220-1250	13	--	58	64	--	40' midwater trawl
2406	29°24'	88°57'	2-27-59	1420-1520	8	--	58	63	--	40' midwater trawl
2407	29°28'	88°53'	2-27-59	1540-1635	8	--	58	63	--	40' midwater trawl
2408	29°24'	88°57'	2-28-59	0735-0835	8-10	--	62	62	--	40' midwater trawl
2409	29°26'	88°54'	2-28-59	0900-1000	8-9	--	62	62	--	40' midwater trawl
2410	29°29'	88°51'	2-28-59	1020-1120	8-9	--	64	62	--	40' midwater trawl
2411	29°27'	88°54'	2-28-59	1140-1240	8-9	--	70	63	--	40' midwater trawl
2412	29°23'	88°57'	2-28-59	1300-1400	8-9	--	66	65	--	40' midwater trawl
2413	29°26'	88°54'	2-28-59	1415-1515	8-9	--	62	63	--	40' midwater trawl
2414	29°25'	88°54'	2-28-59	1535-1635	8-9	--	62	63	--	40' midwater trawl
2415	29°26'	88°55'	2-28-59	1650-1750	8-9	--	62	64	--	40' midwater trawl
2416	29°26'	88°54'	2-28-59	1805-1905	10-12	--	60	64	--	40' midwater trawl
2417	29°24'	88°58'	2-28-59	1925-2025	10-12	--	59	63	--	40' midwater trawl
2418	29°24'	88°54'	3-1-59	0610-0710	9	--	54	62	--	40' midwater trawl
2419	29°29'	88°54'	3-1-59	0725-0825	8	--	50	62	--	40' midwater trawl
2420	29°41'	88°45'	3-1-59	1010-1040	7	--	50	62	--	40' midwater trawl
2421	29°49'	88°44'	3-1-59	1140-1210	8	--	51	62	--	40' midwater trawl
2422	29°35'	88°44.5'	3-1-59	1255-1325	7	--	53	61	--	40' midwater trawl
2423	30°00'	88°44.5'	3-1-59	1355-1425	8	--	53	62	--	40' midwater trawl
2424	30°11.5'	88°12'	3-3-59	1235-1255	7	--	58	62	--	40' midwater trawl
2425	30°13'	88°12.5'	3-3-59	1315-1345	5-7	--	65	62	--	40' midwater trawl
2426	30°12.5'	88°10'	3-3-59	1405-1420	6 ₁	--	56	62	--	40' midwater trawl
2427	29°49.5'	88°33.5'	3-4-59	1030-1050	12	S.	60	62	--	40' midwater trawl
2428	29°51'	88°33.5'	3-4-59	1105-1155	12	S.	60	62	--	40' midwater trawl
2429	29°48'	88°32'	3-4-59	1410-1510	12	S.	66	64	--	60' midwater trawl
2430	29°50'	88°33'	3-4-59	1610-1650	12	S.	68	65	--	60' midwater trawl
2431	29°50.5'	88°32.5'	3-4-59	1755-1855	12	S.	66	63	--	60' midwater trawl
2432	28°40'	88°48'	3-7-59	1725-1825	15	9.co.	54	65	--	40' midwater trawl
2433	28°36'	88°53'	3-7-59	--	15	--	--	65	--	Dip net

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used	
	Lat. N.	Long. W.					Fathoms	° F.	° F.	° F.	
2434	28° 28'	83° 38'	3-8-59	0735-0805	16-15	S.	57	66	--	40'	midwater trawl
2435	28° 16'	83° 47.5'	3-8-59	1050-1100	17	S.Co.	58	66	--	40'	midwater trawl
2436	28° 12'	84° 02'	3-8-59	1305-1330	22	S.Sb.	64	67	--	40'	midwater trawl
2437	28° 06'	83° 50'	3-8-59	1530-1600	22	S.	62	66	--	40'	midwater trawl
2438	28° 06.5'	83° 24'	3-8-59	1835-1905	14	S.Sb.	62	66	--	40'	midwater trawl
2439	27° 52.5'	83° 30.5'	3-10-59	1725-1740	16-18	S.	66	69	--	40'	midwater trawl
2440	27° 51.5'	83° 30.5'	3-10-59	1800-1830	16-18	S.	66	69	--	40'	midwater trawl
2441	27° 53'	83° 30.5'	3-10-59	1845-1915	16-18	S.	66	69	--	40'	midwater trawl
2442	27° 54'	83° 31'	3-10-59	2030-2330	18	--	--	64	--	Dip net	
2443	27° 55'	83° 29'	3-11-59	0705-0735	16	S.	64	63	--	40'	midwater trawl
2444	27° 22'	83° 01'	3-11-59	2110-2120	12	S.Sb.	67	63	--	40'	midwater trawl
2445	27° 23'	83° 01.5'	3-11-59	2140-2150	12	S.Sb.	67	63	--	40'	midwater trawl
2446	25° 46.5'	82° 22'	5-14-59	1030-1100	15	Sb.gS.	73	71	--	40'	midwater trawl
2447	25° 50'	82° 41'	3-14-59	1310-1430	20	S.	73	71	--	40'	midwater trawl
2448	25° 59'	82° 17.5'	3-14-59	1715-1745	12-10	S.Sb.	68	70	--	40'	midwater trawl
2449	26° 08'	82° 46.5'	3-14-59	2130-2200	19-20	S.Sb.	69	70	--	40'	midwater trawl
2450	26° 31.5'	82° 51'	3-15-59	0540-0610	17-18	S.Sb.	69	69	--	40'	midwater trawl
2451	26° 35'	82° 42.5'	3-15-59	0755-0825	12	S.Sb.	71	69	--	40'	midwater trawl
2452	26° 47'	82° 53.5'	3-15-59	1025-1055	17	S.Sb.	74	69	--	40'	midwater trawl
2453	26° 59'	82° 43'	3-15-59	1250-1320	12	S.Sb.	70	69	--	40'	midwater trawl
2454	27° 07'	83° 01'	3-15-59	1555-1625	15	S.Sb.	71	70	--	40'	midwater trawl
2455	27° 15'	83° 12'	3-15-59	1755-1825	21	S.Sb.	70	69	--	40'	midwater trawl
2456	27° 29'	84° 50'	3-16-59	0420-0520	140-160	M.	78	70	--	40'	midwater trawl
2457	30° 13.5'	88° 09'	3-17-59	1305-1355	6-5	S.	53	62	--	40'	midwater trawl
2458	30° 14'	88° 13'	3-17-59	1440-1510	5	M.	58	62	--	40'	midwater trawl
2459	29° 29'	88° 41'	4-9-59	0825-0845	10-9	S.	76	73	66	40'	midwater trawl
2460	29° 27'	88° 52'	4-9-59	0950-1045	8	S.	76	73	--	40'	midwater trawl
2461	29° 24'	88° 56'	4-9-59	1135-1235	8	S.	78	73	--	40'	midwater trawl
2462	29° 24'	88° 54'	4-9-59	1325-1425	10-15	S.	76	73	--	40'	midwater trawl
2463	29° 20'	88° 49'	4-9-59	1510-1610	22	M.	75	72	--	40'	midwater trawl
2464	23° 55'	90° 16'	4-11-59	0920-1050	1900	--	78	78	--	40'	midwater trawl
2465	21° 28'	90° 45'	4-12-59	0615-0715	17-15	--	79	81	--	40'	midwater trawl
2466	21° 24'	90° 46'	4-12-59	0740-0825	15	--	79	81	--	40'	midwater trawl
2467	21° 02'	91° 40'	4-12-59	1615-1715	25-26	S.	82	82	--	40'	midwater trawl
2468	21° 10'	91° 40'	4-12-59	1735-1740	26	S.	80	82	--	40'	midwater trawl
2469	20° 17'	91° 55'	4-15-59	0630-0730	20	S.	78	82	--	40'	midwater trawl
2470	20° 12'	91° 59'	4-14-59	2000-2300	10	--	--	80	--	Dip net	
2471	20° 37'	97° 07'	4-19-59	0820-0900	13	S.Sb.	73	69	71	40'	midwater trawl
2472	20° 44.5'	97° 12'	4-19-59	1015-1045	13	S.Sb.	74	69	71	40'	midwater trawl
2473	20° 25'	97° 05'	4-19-59	1935-2035	13	M.S.	69	70	69	40'	midwater trawl
2474	20° 25'	97° 05'	4-20-59	0710-0730	13	M.	67	70	66	40'	midwater trawl
2475	20° 27'	97° 04'	4-20-59	0750-0815	14	M.	68	70	66	40'	midwater trawl
2476	20° 54'	96° 40'	4-20-59	1455-1525	14	M.	70	71	81	40'	midwater trawl
2477	20° 53'	96° 41'	4-20-59	1610-1655	13	M.	70	71	80	40'	midwater trawl
2478	20° 52'	95° 10'	4-22-59	1845-1915	10	M.	63	70	79	40'	midwater trawl
2479	20° 55'	94° 40'	4-23-59	0910-0940	11	M.	66	70	--	40'	midwater trawl
2480	20° 55'	94° 40'	4-23-59	0950-1015	11	M.	66	70	--	40'	midwater trawl
2481	28° 14'	94° 57'	4-23-59	2000-2200	26	--	--	74	--	Dip net	
2482	20° 59'	94° 48'	4-24-59	0840-0925	48	M.	67	74	--	40'	midwater trawl
2483	20° 03'	94° 06'	4-24-59	2020-2230	8	--	67	71	--	Dip net	
2484	20° 00'	94° 04'	4-25-59	0705-0720	9-11	M.S.	74	70	--	40'	midwater trawl
2485	20° 01'	94° 05'	4-25-59	0735-0750	9-11	M.S.	74	70	--	40'	midwater trawl
2486	20° 04'	93° 19'	4-25-59	1225-1255	11	S.Sb.	74	71	--	40'	midwater trawl
2487	20° 05'	93° 21'	4-25-59	1325-1355	11	S.Sb.	74	71	--	40'	midwater trawl
2488	20° 03'	93° 09'	4-25-59	1645-1715	10	S.	74	71	--	40'	midwater trawl
2489	20° 18'	92° 59'	4-25-59	1900-1925	9	M.	69	71	--	40'	midwater trawl
2490	20° 21'	92° 58'	4-25-59	--	8	--	69	71	--	Dip net	
2491	20° 05'	92° 45'	4-26-59	0805-0905	12	M.	69	72	70	40'	midwater trawl
2492	20° 00'	92° 49'	4-26-59	1020-1040	12	M.	76	72	72	40'	midwater trawl
2493	20° 00'	92° 43'	4-26-59	1105-1135	12	M.	76	72	--	40'	midwater trawl
2494	20° 48'	91° 14'	4-27-59	1355-1430	6-7	M.	72	74	--	40'	midwater trawl
2495	20° 50'	91° 16.5'	4-27-59	1945-2005	5 ¹ -6	S.	72	74	--	60'	midwater trawl
2496	20° 50'	91° 16'	4-28-59	0750-0820	6	S.	71	73	--	40'	midwater trawl
2497	20° 48'	91° 14'	4-28-59	0840-0910	5	S.	71	73	--	Dip net	
2498	20° 51.5'	90° 29'	4-28-59	1415-1515	10	M.S.	74	75	--	40'	midwater trawl
2499	20° 02'	90° 08'	4-28-59	1835-1935	8-9	M.S.	73	75	--	40'	midwater trawl
2500	20° 59'	90° 04'	4-28-59	--	10	--	--	74	--	Dip net	
2501	20° 56'	89° 52.5'	4-29-59	0850-0950	20	M.	82	74	--	60'	midwater trawl
2502	20° 09'	89° 48'	4-29-59	1145-1245	10	M.	76	76	--	60'	midwater trawl
2503	20° 02'	89° 42'	4-29-59	1455-1555	20	M.	78	74	--	60'	midwater trawl
2504	20° 59'	89° 35'	4-29-59	1710-1810	22	M.	74	77	--	60'	midwater trawl
2505	20° 30'	88° 16.5'	5-20-59	1800-1915	25	M.	78	76	--	60'	midwater trawl
2506	20° 18'	88° 12'	5-20-59	2035-2150	45-80	M.	77	76	--	60'	midwater trawl
2507	20° 05'	88° 09.5'	5-20-59	2325-2425	450	--	76	75	--	60'	midwater trawl
2508	20° 27'	89° 11.5'	5-21-59	1830-2100	300	--	79	78	--	60'	midwater trawl
2509	20° 30.5'	89° 22.5'	5-21-59	2240-0010	85	--	77	78	--	60'	midwater trawl
2510	20° 46'	89° 18'	5-22-59	0120-0250	60	--	75	75	--	60'	midwater trawl
2511	20° 55'	89° 32'	5-22-59	1200-1300	35	--	82	77	--	60'	midwater trawl
2512	20° 54'	89° 34'	5-22-59	1340-1440	30	--	82	78	--	60'	midwater trawl
2513	20° 59'	89° 43'	5-22-59	1620-1750	25	--	82	78	--	60'	midwater trawl
2514	20° 58'	89° 46'	5-22-59	1825-1955	25	M.	78	77	--	60'	midwater trawl
2515	20° 53.5'	89° 47'	5-22-59	2135-2235	26	M.	76	77	--	60'	midwater trawl
2516	20° 45'	89° 54'	5-23-59	0010-0110	35	M.	76	76	--	60'	midwater trawl
2517	20° 47'	89° 53'	5-23-59	0155-0325	26-41	M.	76	76	--	60'	midwater trawl
2518	20° 53'	89° 52'	5-23-59	0400-0530	45-50	M.	77	76	--	60'	midwater trawl
2519	20° 39'	90° 03'	5-23-59	0625-0740	80	M.	78	76	--	60'	midwater trawl
2520	20° 34'	90° 21'	5-23-59	0815-0900	40	M.	79	76	--	60'	midwater trawl
2521	20° 32'	90° 04'	5-23-59	0920-1005	36	M.	79	77	--	60'	midwater trawl
2522	20° 32.5'	90° 10'	5-23-59	1200-1330	30	M.	82	77	--	60'	midwater trawl
2523	20° 47'	90° 15'	5-23-59	1520-1620	16	M.	80	77	--	60'	midwater trawl
2524	20° 55'	90° 06'	5-23-59	1720-1820	13	M.	79	77	--	60'	midwater trawl
2525	20° 56'	89° 55'	5-23-59	1940-2010	19	M.	79	79	--	60'	midwater trawl
2526	20° 93'	88° 59'	5-24-59	0440-0610	28	M.	79	78	--	60'	midwater trawl
2527	20° 10'	88° 50'	5-24-59	0735-0835	38	M.	82	80	--	60'	midwater trawl
2528	20° 20'	88° 48'	5-24-59	0840-0945	27	M.	82	80	--	60'	midwater trawl
2529	20° 26'	88° 42'	5-24-59	1225-1325	18	M.	80	80	--	60'	midwater trawl
2530	20° 27'	88° 38'	5-24-59	1340-1455	25-26	M.	82	80	--	60'	midwater trawl
2531	20° 29'	88° 35'	5-24-59	1530-1645	26	M.	82	81	--	60'	midwater trawl
2532	20° 53'	88° 28'	5-24-59	1735-1850	25	M.	82	81	--	60'	midwater trawl
2533	20° 39'	88° 22'	5-24-59	2015-2115	21	M.	79	80	--	60'	midwater trawl
2534	20° 45'	88° 09'	5-24-59	2250-2350	21	M.	78	79	--	60'	midwater trawl
2535	20° 51'	88° 01'	5-25-59	0045-0145	16	M.	77	79	--	60'	midwater trawl
2536	20° 43'	87° 46'	5-25-59	0415-0515	23	M.	76	78	--	60'	midwater trawl
2537	20° 41'	87° 44'	5-25-59	0545-0700	23	M.	77	78	--	40'	midwater trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2538	29° 34'	87° 56'	5-25-59	0745-0815	51	M.	82	79	--	40' midwater trawl
2539	29° 32'	87° 58'	5-25-59	0835-0910	32	M.	82	79	--	40' midwater trawl
2540	29° 27'	87° 56'	5-25-59	1005-1035	44	M.	82	80	--	40' midwater trawl
2541	29° 26'	87° 59'	5-25-59	1110-1140	47	M.Rk.	82	80	--	40' midwater trawl
2542	29° 26'	87° 45'	5-25-59	1235-1305	57	M.Rk.	86	81	--	40' midwater trawl
2543	29° 26'	87° 47'	5-25-59	1325-1355	35-37	M.	86	82	--	40' midwater trawl
2544	29° 30'	87° 52'	5-25-59	1430-1530	30-27	--	86	82	--	40' midwater trawl
2545	29° 32'	87° 56'	5-25-59	1615-1715	25-22	M.	86	81	--	40' midwater trawl
2546	29° 33'	87° 59'	5-25-59	1740-1915	20	M.Sh.	80	81	--	40' midwater trawl
2547	29° 15.5'	88° 05'	5-25-59	2125-2325	100	M.	79	80	--	40' midwater trawl
2548	29° 08'	87° 59'	5-26-59	0055-0255	420-740	--	78	80	--	40' midwater trawl
2549	29° 25'	88° 58'	5-26-59	1050-1220	9-8	M.	86	82	--	40' midwater trawl
2550	29° 28'	88° 55'	5-26-59	1240-1340	8	M.	80	82	--	40' midwater trawl
2551	29° 25'	88° 49'	5-26-59	1420-1520	12-13	M.	81	82	--	40' midwater trawl
2552	29° 27'	88° 43'	5-26-59	1655-1755	16-17	M.	80	81	--	40' midwater trawl
2553	29° 32'	88° 53.5'	5-26-59	1840-1940	22	M.	80	81	--	40' midwater trawl
2554	29° 40'	88° 23'	5-26-59	2100-2200	20	M.	80	80	--	40' midwater trawl
2555	29° 46'	88° 16'	5-26-59	2300-2400	20-18	M.	79	80	--	40' midwater trawl
2556	29° 54'	88° 13'	5-27-59	0100-0200	17	M.	79	80	--	40' midwater trawl
2557	29° 55'	88° 16'	5-27-59	0220-0320	17	M.	79	80	--	40' midwater trawl
2558	29° 53'	88° 25'	5-27-59	0450-0550	17	M.	79	80	--	40' midwater trawl
2559	29° 52'	88° 36'	5-27-59	0645-0745	13	M.	86	80	--	40' midwater trawl
2560	29° 52'	88° 43'	5-27-59	0820-0920	9	M.	88	80	--	40' midwater trawl
2561	29° 56'	88° 43'	5-27-59	0945-1045	9	M.	84	81	--	40' midwater trawl
2562	29° 58'	88° 46'	5-27-59	1120-1220	6	M.	84	81	--	40' midwater trawl
2563	30° 02'	88° 43'	5-27-59	1240-1340	8	M.	80	81	--	40' midwater trawl
2564	30° 08'	88° 51'	5-27-59	1430-1530	8	M.	86	81	--	40' midwater trawl
2565	26° 15'	90° 18'	7-23/24-59	0135-0600	1675-1700	M.	79	84	--	40' flat trawl
2566	26° 24'	90° 45'	7-24-59	1530-1835	1500-1450	M.	83	84	--	40' flat trawl
2567	25° 41'	91° 02'	7-25-59	0700-1200	1750-1725	M.	84	84	--	30' balloon trawl
2568	25° 10'	91° 06'	7-26-59	0145-1145	1850	M.	84	84	--	30' balloon trawl
2569	25° 27'	91° 35'	7-26-59	2035-2105	1600	--	84	84	--	Dip net
2570	26° 30'	90° 42'	7-27-59	--	1500	--	82	84	--	40' flat trawl
2571	26° 34'	90° 33'	7-27-59	1205-1705	1300	--	86	84	--	40' flat trawl
2572	26° 23'	88° 56'	7-27-59	0015-0355	1325	--	80	84	--	40' flat trawl
2573	26° 52'	88° 44'	7-28-59	1005-1505	1350	M.	85	84	--	40' flat trawl
2574	26° 34'	88° 53'	7-28-59	2025-0125	1450	M.	85	84	--	40' flat trawl
2575	27° 06'	88° 13'	7-29-59	0930-1430	1200-1100	M.	84	84	--	40' flat trawl
2576	27° 28'	88° 58'	7-29-59	1950-0050	1950-0050	M.	86	85	--	40' flat trawl
2577	27° 48'	88° 45'	7-30-59	0500-0900	850-1100	M.	84	85	--	40' flat trawl
2578	30° 16.5'	88° 32'	8-18-59	1250-1303	2½	--	--	84.5	--	Lampara net
2579	30° 14'	88° 33.5'	8-18-59	--	3	--	--	84.5	--	Lampara net
2580	30° 6'	88° 32'	8-18-59	--	3	--	--	85	--	Dip net
2581	30° 7'	88° 44.5'	8-19-59	--	2½	--	81	85	--	Lampara net
2582	30° 7'	88° 44.5'	8-19-59	--	2½	--	81	85	--	Lampara net
2583	29° 48'	88° 01'	8-21-59	0710-0712	2½	--	84	82.5	--	Lampara net
2584	29° 48'	88° 02'	8-21-59	0913-0915	2	--	84	82.5	--	Lampara net
2585	30° 03'	88° 53.5'	8-22-59	--	2½	--	--	--	--	Dip net
2586	30° 13'	88° 57'	8-23-59	2159-2200	2	--	--	--	--	Lampara net
2587	30° 13'	88° 57.5'	8-23-59	--	2	--	--	--	--	Dip net
2588	30° 15'	88° 46'	8-24-59	--	3	--	84	85	--	Lampara net
2589	30° 15'	88° 46'	8-24-59	2355-2356	3	--	83	84.5	--	Lampara net
2590	30° 12.5'	88° 27'	8-25-59	2135-2141	--	--	83	85.5	--	Lampara net
2591	30° 17'	88° 29'	8-26-59	1502-1505	--	--	85	86	--	Lampara net
2592	30° 18'	88° 18'	8-27-59	2121-2123	2	M.	84	86.5	--	Lampara net
2593	30° 18'	88° 18'	8-27-59	--	2	M.	84	86.5	--	Light station
2594	30° 17.5'	88° 23.5'	8-28-59	1041-1043	2	M.	92	87	--	Lampara net
2595	30° 17.5'	88° 23.5'	8-28-59	1214-1215	2	M.	89	86.5	--	Lampara net
2596	30° 18.5'	88° 23.5'	8-28-59	--	2½	--	86	87	--	Lampara net
2597	30° 18.5'	88° 23.5'	8-29-59	--	2½	M.	85	87	--	Lampara net
2598	30° 13'	88° 30'	8-29-59	--	5	--	86	86.5	--	Lampara net
2599	29° 45.5'	88° 45.5'	8-30-59	--	2½	--	86	86.5	--	Lampara net
2600	29° 45.5'	88° 51'	8-31-59	0422-0425	2½	--	80	85	--	Lampara net
2601	29° 45.5'	88° 45.5'	8-31-59	--	2½	--	84	86	--	Light station
2602	30° 13.5'	88° 33.5'	9-1-59	2119-2120	2	--	84	85.5	--	Lampara net
2603	18° 30'	65° 59'	9-25-59	1120-1225	230	--	86	84	--	40' flat trawl
2604	18° 30'	65° 55'	9-25-59	1320-1345	140-160	M.	86	84.5	--	40' flat trawl
2605	18° 32'	65° 18'	9-25-59	1920-2020	270	--	80	84	--	40' flat trawl
2606	18° 37'	65° 04'	9-25-59	2315-0110	210	S.S.	82	84	--	40' flat trawl
2607	18° 37.5'	64° 57'	9-26-59	1715-1850	220	Co.Rk.	82	84	--	40' flat trawl
2608	18° 35'	65° 03'	9-26-59	1945-2020	42	S.S.P.	83	84	--	40' flat trawl
2609	18° 36'	64° 47'	9-26-59	2245-2305	25	Co.Rk.S.	81	84	--	40' flat trawl
2610	18° 35.5'	64° 46'	9-26-59	2355-2400	28	--	--	84	--	40' flat trawl
2611	18° 34.5'	64° 47.5'	9-27-59	0015-0018	28	Co.Sp.	81	84	--	40' flat trawl
2612	18° 35'	64° 42'	9-27-59	0110-0120	27	--	82	84	--	40' flat trawl
2613	18° 35'	64° 42.5'	9-27-59	0135-0142	27	Sp.S.	82	84	--	40' flat trawl
2614	18° 35'	64° 36'	9-27-59	0230-0245	18	Sp.Sh.	82	84	--	40' flat trawl
2615	18° 38'	64° 35'	9-27-59	0335-0355	15	S.	83	84	--	40' flat trawl
2616	18° 30.5'	64° 37'	9-27-59	1105-1120	40	S.S.P.	86	84	--	40' flat trawl
2617	18° 30.5'	64° 38'	9-27-59	1140-1200	41	S.P.S.	86	84	--	40' flat trawl
2618	18° 14.5'	64° 45'	9-27-59	2125-2135	29	Co.Sp.	83	84	--	40' flat trawl
2619	18° 15'	64° 49'	9-27-59	2235-2250	26	Co.S.P.S.	82	84	--	40' flat trawl
2620	18° 15'	64° 58'	9-29-59	0020-0040	23	Co.	82	84	--	40' flat trawl
2621	18° 46'	64° 41'	9-29-59	0805-0825	26	Co.Rk.	84	84	--	40' flat trawl
2622	18° 45'	64° 40'	9-29-59	1040-1055	24	S.	84	84	--	40' flat trawl
2623	18° 47'	64° 46'	9-29-59	1200-1215	35	Rk.Sp.	84	84	--	40' flat trawl
2624	18° 46'	64° 46'	9-29-59	1300-1315	35	Sp.Co.	84	84	--	40' flat trawl
2625	18° 45'	64° 47'	9-29-59	1345-1405	38	Co.Rk.G.	--	84	--	40' flat trawl
2626	18° 27'	65° 35'	9-29-59	0130-0145	40	Co.Sp.	84	84	--	40' flat trawl
2627	18° 29'	65° 13.5'	9-29-59	0620-0635	--	S.	84	84	--	40' flat trawl
2628	18° 05'	65° 21'	9-29-59	1255-1315	120	S.	88	85	--	40' flat trawl
2629	18° 05.5'	65° 20'	9-29-59	1350-1400	24	Rk.Sp.	90	85	--	40' flat trawl
2630	18° 07'	65° 19'	9-29-59	1555-1615	200-210	--	88	85	--	40' flat trawl
2631	17° 28'	65° 32'	9-30-59	0805-0815	19	S.S.	80	85	--	40' flat trawl
2632	17° 30'	65° 35'	9-30-59	0850-0910	35	S.S.	82	85	--	40' flat trawl
2633	17° 34'	65° 30'	9-30-59	1015-1030	50	Co.Sp.	83	85	--	40' flat trawl
2634	17° 38.5'	65° 27'	9-30-59	1215-1235	190-195	S.P.	83	85	--	40' flat trawl
2635	17° 37'	65° 28'	9-30-59	1335-1400	220-235	M.S.Co.	83	85	--	40' flat trawl
2636	17° 36'	65° 32'	9-30-59	1515-1540	240-260	S.	82	85	--	40' flat trawl
2637	17° 37'	65° 36'	9-30-59	1645-1720	280	S.M.	82	84.5	--	40' flat trawl
2638	17° 30'	65° 40'	9-30-59	1820-2120	360-380	S.M.	81	84.5	--	40' flat trawl
2639	17° 40'	65° 46'	9-30-59	2220-0045	360-450	--	80	84.5	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2640	17°47'	66°04'	10-4-59	1620-1645	225-240	gy.M.	63	65	--	40' balloon trawl
2641	17°51'	66°08.5'	10-4-59	1850-1900	20	--	62	65	--	40' balloon trawl
2642	17°49'	66°11'	10-4-59	2010-2040	440	M.	62	65	--	40' balloon trawl
2643	18°03'	67°29'	10-5-59	0845-0915	180	M.	68	65	--	40' balloon trawl
2644	18°03'	67°27'	10-5-59	1010-1105	150-180	M.	68	65	--	40' flat trawl
2645	18°12'	67°42'	10-5-59	1620-1650	260	--	62	65	--	40' balloon trawl
2646	18°13'	67°20'	10-5-59	2025-2035	210	--	62	65	--	40' balloon trawl
2647	18°14'	67°20'	10-5-59	2300-2315	210	--	62	65	--	40' balloon trawl
2648	18°13'	67°21'	10-6-59	0045-0115	200	--	60	65	--	40' balloon trawl
2649	18°12'	67°28'	10-6-59	0300-0330	150	M.Co.	62	65	--	40' balloon trawl
2650	18°13'	67°24.5'	10-6-59	0435-0500	125	--	78	65	--	40' balloon trawl
2651	18°16.5'	67°27'	10-6-59	0615-0815	250	M.	62	65	--	40' balloon trawl
2652	18°16'	67°26.5'	10-6-59	0955-1055	230	M.Co.	78	65	--	40' balloon trawl
2653	18°18'	67°27.5'	10-6-59	1235-1315	500	M.Co.	60	65	--	40' balloon trawl
2654	18°26'	67°10.5'	10-6-59	1630-1730	150	S.	78	65	--	40' flat trawl
2655	18°26'	67°11'	10-6-59	1820-1920	125	S.	78	65	--	40' flat trawl
2656	18°24'	67°15'	10-6-59	1955-2055	100	M.S.Co.	78	65	--	40' flat trawl
2657	18°26.5'	67°12'	10-6-59	2210-2340	200	S.M.	78	65	--	40' balloon trawl
2658	18°25.5'	67°14'	10-7-59	0110-0210	250	M.Co.	78	65	--	40' balloon trawl
2659	18°26'	67°11.5'	10-7-59	0850-1020	175	--	80	65	--	40' balloon trawl
2660	18°32'	67°09'	10-7-59	1200-1215	22	--	80	65	--	40' balloon trawl
2661	18°31'	67°09'	10-7-59	1245-1255	17	--	80	65	--	40' flat trawl
2662	18°33'	67°07.5'	10-7-59	1340-1350	32	--	80	65	--	40' flat trawl
2663	18°30.5'	66°55'	10-7-59	1615-1625	43	--	80	64	--	40' flat trawl
2664	18°31.5'	66°46.5'	10-7-59	1815-1915	160	M.S.	78	64	--	40' balloon trawl
2665	18°31.5'	66°50'	10-7-59	2000-2100	180	M.	78	64	--	40' flat trawl
2666	18°32'	66°46.5'	10-7-59	2145-2305	200	M.Co.	78	64	--	40' flat trawl
2667	18°31.5'	66°47'	10-8-59	0100-0140	160	M.Co.	78	64	--	40' balloon trawl
2668	18°31'	66°47'	10-8-59	0250-0300	38	M.	78	64	--	40' balloon trawl
2669	18°31'	66°47.5'	10-8-59	1210-1220	38	M.	84	64	--	40' balloon trawl
2670	24°27'	83°26'	10-14-59	1600-1730	210	M.	82	63	--	40' balloon trawl
2671	24°26'	83°24'	10-14-59	1815-2115	212	M.	82	63	--	40' balloon trawl
2672	24°30'	83°33'	10-14/15-59	2200-0100	220	M.	81	63	--	40' balloon trawl
2673	24°25'	83°25'	10-15-59	0145-0345	250	M.	81	63	--	40' balloon trawl
2674	24°28'	83°31'	10-15-59	0435-0735	200	M.	81	63	--	40' balloon trawl
2675	24°25'	83°22'	10-15-59	0810-1110	190	M.	83	63	--	40' balloon trawl
2676	30°07.5'	88°04.5'	11-19-59	0745-0810	8-9	M.	50	63	--	40' midwater trawl
2677	29°56'	85°54'	11-22-59	1245-1430	17	--	70	68	--	40' midwater trawl
2678	29°56'	86°05'	11-23-58	0750-1000	21-22	--	69	68	--	60' midwater trawl
2679	26°58'	83°09'	12-4-58	1415-1515	20	S.Sh.	67	72	--	40' midwater trawl
2680	26°49'	83°19'	12-4-58	1800-2230	26	--	65	72	--	Dip net
2681	26°40'	83°30'	12-5-58	0715-0815	30	S.Sh.	69	75	--	40' midwater trawl
2682	26°38'	83°32'	12-5-58	0835-0940	32	S.Sh.	69	75	--	40' midwater trawl
2683	26°30'	83°45'	12-5-58	1130-1230	48	wh.S.Sh.Co.	69	76	--	40' midwater trawl
2684	27°45'	85°00'	12-5-58	2200-2400	6½	S.Sh.	66	74	--	Right light
2685	27°58'	87°21'	12-9-59	0925-1150	700	gy.M.	62	72	--	40' midwater trawl
2686	29°11.5'	87°46'	12-9-59	1415-1600	420-180	gy.M.	68	71	--	40' midwater trawl
2687	29°27.5'	88°03'	12-9-59	1820-1950	27-24	gy.S.	67	68	--	40' midwater trawl
2688	29°15'	88°31'	12-10-59	0910-0955	42	gy.M.S.	67	68	--	40' midwater trawl
2689	29°15'	88°29.5'	12-10-59	1040-1140	41	gy.M.S.	67	68	--	40' midwater trawl
2690	29°15'	88°32.5'	12-10-59	1205-1235	39	gy.M.S.	68	68	--	40' midwater trawl
2691	29°15'	88°31'	12-10-59	1305-1335	40	gy.M.S.	68	68	--	40' midwater trawl
2692	29°15'	88°33.5'	12-10-59	1405-1505	38	gy.M.	69	68	--	40' midwater trawl
2693	29°17'	88°33'	12-10-59	1830-2230	35	--	69	68	--	Dip net
2694	29°12'	88°33'	12-11-59	0810-0925	42-55	gy.M.	69	68	--	60' midwater trawl
2695	29°15'	88°32.5'	12-11-59	1045-1145	40	gy.M.	69	71	--	60' midwater trawl
2696	29°15'	88°30'	12-11-59	1240-1345	38	gy.M.	71	71	--	60' midwater trawl
2697	29°24'	88°54.5'	12-12-59	0930-1035	3-10	gy.M.S.	58	61	--	40' midwater trawl
2698	25°11.5'	88°35'	12-14-59	1815-1915	43	gy.M.	69	69	--	40' flat trawl
2699	29°11.3'	88°40.5'	12-14-59	1940-2140	41	gy.M.	68	69	--	40' flat trawl
2700	29°11.3'	88°34'	12-14-59	2220-2345	43	gy.M.	65	68	--	40' flat trawl
2701	29°11'	88°40.5'	12-15-59	0015-0200	41	gy.M.	65	67	--	40' balloon trawl
2702	29°10'	88°35.5'	12-15-59	0225-0345	41	gy.M.	64	67	--	40' balloon trawl
2703	29°10'	88°41.5'	12-15-59	0415-0615	42	gy.M.	65	67	--	40' balloon trawl
2704	29°09.8'	88°36'	12-15-59	0630-0745	48	gy.M.	69	69	--	40' balloon trawl
2705	29°09.5'	88°40.5'	12-15-59	0815-0935	44	gy.M.	69	69	--	40' balloon trawl
2706	29°09.2'	88°36'	12-15-59	0955-1045	47	gy.M.	69	69	--	40' balloon trawl
2707	29°09'	88°41'	12-15-59	1115-1215	44	gy.M.	69	69	--	40' balloon trawl
2708	29°09'	88°36.5'	12-15-59	1250-1425	52-70	gy.M.	69	67	--	40' balloon trawl
2709	29°11'	88°33'	12-15-59	1445-1635	60-70	gy.M.	67	67	--	40' balloon trawl
2710	29°37'	84°54.5'	1-21-60	--	3	S.	45	--	--	Lift net
2711	29°37'	84°54.5'	1-21-60	--	3	S.	44	--	--	Lift net
2712	27°43.5'	85°46.5'	1-25-60	--	4	S.	55	56	--	Lift net
2713	27°43.5'	85°46.5'	1-25-60	--	4	S.	54	56	--	Lift net
2714	27°43'	85°52'	1-26-60	1727-1728	5½	S.Sh.	62	57	--	Lampara net
2715	27°43'	85°52'	1-26-60	--	5½	S.Sh.	58	57	--	Lift net
2716	27°43'	85°52'	1-26-60	--	5½	S.Sh.	58	57	--	Lift net
2717	27°43'	85°52'	1-26-60	--	5½	S.Sh.	58	57	--	Lift net
2718	27°42.5'	85°50.5'	1-27-60	0834-0935	4½	S.	61	57	--	Lampara net
2719	27°42.5'	85°50.5'	1-27-60	--	4½	Sh.S.	61	58	--	--
2720	27°42.5'	85°50.5'	1-27-60	--	4½	Sh.S.	61	58	--	Lift net
2721	27°42.5'	85°50.5'	1-27/28-60	--	4½	Sh.S.	59	58	--	Lift net
2722	27°46'	85°53.5'	1-28-60	--	5½	Sh.S.	61	58	--	Lift net
2723	27°46'	85°53.5'	1-28-60	--	5½	Sh.S.	61	58	--	Lift net
2724	25°39'	81°50'	2-2-60	--	5½	gy.S.	62	63.5	--	Dip oet
2725	24°41'	82°25'	2-2-60	--	9	--	68	68	--	--
2726	28°13'	82°10'	2-3-60	--	9½	S.Sh.	67	64	--	Lift net
2727	26°13'	82°10'	2-3-60	--	9½	S.Sh.	65	64	--	Lift net
2728	26°13'	82°10'	2-3-60	--	9	--	65	64	--	Lift net
2729	26°13'	82°10'	2-3-60	--	9	--	65	63.5	--	Lift net
2730	26°13'	82°10'	2-4-60	--	9½	S.Sh.	63	63.5	--	Lift net
2731	27°37'	82°42.5'	2-7-60	--	4	S.Sh.	55	61.5	61.5	Lift net
2732	27°37'	82°42.5'	2-7-60	--	4	S.Sh.	56	61.5	61.5	Lift net
2733	27°50'	82°45'	2-9-60	--	23	Sh.Co.S.	64	67	--	--
2734	27°47'	82°25'	2-9-60	--	17	S.Sh.Co.	64	67	--	--
2735	27°42'	82°03'	2-10-60	--	10½	S.Sh.	61	66	--	--
2736	27°34'	82°43.5'	2-10-60	--	3½	wh.S.Sh.	68	61	--	Lift net
2737	29°40'	85°16.5'	2-15-60	--	4	M.gy.S.	40	55	--	--
2738	25°12'	82°37'	3-5-60	1255-1330	41	--	46	62	--	60' midwater trawl
2739	29°12.5'	86°36'	3-5-60	1355-1550	42	--	46	62	--	60' midwater trawl
2740	25°13'	86°34'	3-5-60	1610-1725	52	--	46	62	--	60' midwater trawl
2741	25°10'	88°43'	3-6-60	0810-0900	41	--	50	63	--	60' midwater trawl
2742	25°09'	88°40'	3-6-60	1020-1120	50-40	--	50	63	--	60' midwater trawl
2743	25°10.5'	88°42'	3-6-60	1245-1345	42	--	52	62	--	60' midwater trawl
2744	29°08'	88°43'	3-6-60	1420-1540	46-42	--	52	62	--	60' midwater trawl
2745	25°08'	88°40'	3-6-60	1655-1845	48	--	50	62	--	60' midwater trawl

Table 1--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2746	29° 10'	88° 41'	3-7-50	0720-0830	41-43	--	56	63	--	60' midwater trawl
2747	29° 08'	88° 41'	5-7-50	0850-1030	43	--	56	63	--	60' midwater trawl
2748	29° 09'	88° 43'	5-7-50	1110-1225	46	--	54	63	--	60' midwater trawl
2749	29° 08'	88° 43'	5-7-50	1350-1450	42	--	56	63	--	60' midwater trawl
2750	29° 17'	88° 56'	5-7-50	1640-1755	21	--	50	50	--	60' midwater trawl
2751	29° 23'	88° 51'	3-7-50	1930-2050	13	--	50	45	--	Mercury light station
2752	29° 15'	88° 55'	3-8-60	0845-0915	22	--	52	48	--	60' midwater trawl
2753	29° 16'	88° 55'	3-8-60	0940-1100	20	--	52	48	--	60' midwater trawl
2754	29° 12.5'	88° 55.5'	5-8-60	1130-1350	18	--	56	47	--	60' midwater trawl
2755	29° 17.5'	88° 54'	5-8-60	1740-1845	21-24	--	54	50	--	60' midwater trawl
2756	29° 09.5'	88° 58'	3-9-60	1140-1300	45-45	--	68	63	--	60' midwater trawl
2757	29° 11'	88° 59'	3-9-60	1330-1425	43-49	--	65	63	--	60' midwater trawl
2758	29° 08'	88° 41'	3-9-60	1455-1715	50	--	65	63	--	60' midwater trawl
2759	29° 11.5'	88° 58.5'	3-9-60	1805-1925	40-42	--	62	63	--	60' midwater trawl
2760	29° 51'	88° 22'	3-10-60	0900-1000	19-18	Sh.S.Co.	76	76	--	Plankton net
2761	29° 50'	88° 22'	3-10-60	0900-1000	19-18	--	56	59	--	60' midwater trawl
2762	29° 35'	88° 10'	4-1-60	1810-1840	35	--	76	76	--	Longline
2763	12° 15'	69° 02'	4-9-60	1900-2400	500	--	79	80	--	Night light
2764	12° 58'	69° 17'	4-10-60	0615-0730	1000	--	81	80	--	Longline
2765	12° 40'	68° 04'	4-11-60	0600-0730	2300	--	80	80	--	Longline
2766	12° 07'	66° 29'	4-12-60	0650-0745	500-2000	--	82	78	--	Longline
2766A	12° 10'	66° 25'	4-12-60	1350-1610	1700	--	80	80	--	Midwater plankton trawl
2766B	12° 10'	66° 10'	4-12-60	1640-2015	2130	--	79	80	--	6' midwater trawl
2767	12° 10.5'	64° 41'	4-13-60	0930-1120	1250	--	79	80	--	Longline
2768	12° 36'	63° 40'	4-14-60	0530-0820	600-1300	--	80	80	--	Longline
2768A	12° 13'	63° 20'	4-14-60	1710-2010	--	--	79	80	--	6' midwater trawl
2769	11° 55'	63° 40'	4-15-60	0605-0700	700	--	81	80	--	Longline
2770	11° 40'	62° 40'	4-15-60	1245-1435	215	--	81	80	--	40' shrimp trawl
2771	11° 40'	62° 27'	4-15-60	1535-1735	220	--	80	80	--	40' flat trawl
2772	11° 30'	62° 29'	4-18-60	1930-2120	180	--	79	80	--	40' flat trawl
2773	11° 35'	62° 42'	4-18-60	2350-0040	210-280	--	79	80	--	40' flat trawl
2774	11° 52'	62° 40'	4-19-60	0235-0535	195-212	--	79	80	--	40' flat trawl
2775	11° 35'	62° 57'	4-19-60	0645-0825	220-230	--	80	80	--	40' flat trawl
2776	11° 36'	62° 42'	4-19-60	1000-1200	235	--	80	80	--	40' flat trawl
2777	11° 36'	62° 46'	4-19-60	1520-1800	--	--	79	80	--	40' flat trawl
2778	11° 40'	63° 05'	4-19-60	2130-2350	240-250	--	79	80	--	40' flat trawl
2779	11° 35'	62° 59'	4-20-60	0105-0405	260-240	--	79	80	--	40' flat trawl
2780	11° 36'	62° 52'	4-20-60	0520-0700	215-230	--	80	80	--	40' flat trawl
2781	11° 34'	62° 49'	4-20-60	0850-0940	160-200	--	81	80	--	40' flat trawl
2782	11° 35'	62° 30'	4-20-60	1245-1345	200	--	82	80	--	40' flat trawl
2782A	12° 22'	61° 46'	4-21-60	0240-0350	1500	--	78	80	--	Dip net
2783	12° 24'	61° 51'	4-21-60	0500-0700	1475	--	82	80	--	Longline
2784	14° 12'	61° 08'	4-21/22-60	--	1400	--	79	80	--	Dip net
2785	14° 13'	61° 14'	4-22-60	0430-0600	1500	--	80	80	--	Longline
2786	15° 23'	63° 58'	4-23-60	0600-0730	900	--	80	80	--	Longline
2787	17° 50'	66° 56'	4-24-60	1120-1340	700-1250	yl.C1.S.	86	80	--	Midwater plankton trawl
2788	17° 57'	67° 21'	4-24-60	1515-1800	210	hrd.gy.S.	78	80	--	Midwater plankton trawl
2789	18° 35'	67° 34'	4-24-60	2130-0110	800	--	77	80	--	Dip net
2790	18° 39'	67° 35.5'	4-25-60	0300-0520	600-1900	Rk.	78	81	--	Longline
2791	20° 20'	73° 51'	4-27-60	0605-0705	1200-800	--	83	81	--	Longline
2792	20° 28'	76° 09'	4-28-60	0430-0530	1900-1550	--	78	79	--	Longline
2793	25° 25'	79° 51'	4-29-60	1000-1240	270	--	78	79	--	Midwater plankton trawl
2794	25° 30'	80° 10'	4-29-60	1300-1605	240-460	--	82	79	--	Midwater plankton trawl
2795	25° 36'	80° 30'	4-29-60	1625-1925	460	--	82	79	--	Midwater plankton trawl
2796	25° 20'	87° 48'	5-3-60	0505-0900	1300	gy.M.S.	73	74	--	Longline
2797	25° 27.8'	88° 50'	5-27-60	2152-2300	9	gy.M.S.	78	76	--	Lift net
2798	25° 05'	88° 48'	5-28-60	1725-1920	48	gy.M.	83	80	--	60' midwater trawl
2799	25° 12'	88° 26'	5-29-60	0820-0905	78	gy.M.	80	79	--	60' midwater trawl
2800	25° 12'	88° 26'	5-29-60	1015-1130	78	gy.M.	80	80	--	60' midwater trawl
2801	25° 13'	88° 23'	5-30-60	--	65	gy.M.	78	79.5	--	Mercury night light
2802	25° 13'	88° 11.5'	5-31-60	1800-1915	68-65	gy.M.	78	79	--	65' midwater trawl
2803	29° 13.5'	88° 15'	6-1-60	0820-0830	68	gy.M.	81	79	--	40' flat trawl
2804	29° 13.5'	88° 12.5'	6-1-60	0915-1000	68	gy.M.	81	79	--	40' flat trawl
2805	29° 50.5'	67° 45'	6-1-60	2045-2115	18	gy.S.	80	84	--	25' flat trawl
2806	29° 50.5'	87° 42'	6-1-60	2130-2200	17	gy.S.	80	84	--	25' flat trawl
2807	25° 52.5'	87° 59.5'	6-1-60	2215-2245	16	gy.S.	80	84	--	25' flat trawl
2808	25° 54'	87° 54.5'	6-1-60	2300-2330	16	gy.S.	79	84	--	25' flat trawl
2809	25° 55'	87° 31.5'	6-1/2-60	2345-0015	16	gy.S.	79	84	--	25' flat trawl
2810	25° 56'	87° 28'	6-2-60	0030-0100	16	gy.S.	78	82	--	25' flat trawl
2811	25° 57'	87° 51'	6-2-60	0115-0145	16	gy.S.	78	82	--	25' flat trawl
2812	25° 57'	87° 51'	6-2-60	0215-0245	16	gy.S.	79	81	--	25' flat trawl
2813	28° 48'	87° 57'	7-15-60	0510-1110	1000	M.	90	85	--	65' flat trawl
2814	28° 53'	87° 47'	7-13-60	1425-1925	950-1050	--	84	85	--	65' flat trawl
2815	28° 49.5'	87° 57'	7-13-60	2305-0405	980	--	84	85	--	40' balloon trawl
2816	28° 36'	88° 18'	7-14-60	--	950	--	89	85	--	40' balloon trawl
2817	28° 3.5'	88° 16'	7-14-60	1505-2005	1000	--	85	85	--	40' balloon trawl
2818	28° 40'	88° 10'	7-15-60	2400-0145	1050-800	--	85	85	--	40' balloon trawl
2819	28° 35'	88° 16.5'	7-15-60	0700-1100	1000-900	--	85	85	--	40' balloon trawl
2820	28° 23'	88° 21.5'	7-15-60	1545-2045	1000	--	86	85	--	40' balloon trawl
2821	28° 47.5'	87° 57'	7-16-60	0725-1230	1000-1100	--	85	85	--	40' balloon trawl
2822	28° 55'	87° 49'	7-16-60	1725-1840	900	--	84	85	--	40' balloon trawl
2823	28° 09'	87° 52.5'	7-17-60	1255-0455	500-575	--	84	85	--	40' balloon trawl
2824	28° 07.5'	88° 04'	7-17-60	0710-1010	365-395	--	86	85	--	40' balloon trawl
2825	28° 12.5'	87° 55.5'	7-17-60	1140-1440	240-245	gy.M.	89	85	--	40' flat trawl
2826	28° 15'	88° 05'	7-17-60	1605-1640	115-100	--	84	85	--	40' balloon trawl
2827	28° 16.5'	88° 04.5'	7-17-60	1735-1935	90-80	--	84	86	--	40' balloon trawl
2828	28° 56'	87° 29.5'	7-18-60	0040-0110	16 $\frac{1}{2}$	--	78	87	--	25' flat trawl
2829	28° 57'	87° 32'	7-18-60	0145-0215	16 $\frac{2}{3}$	--	78	86	--	25' flat trawl
2830	28° 57'	87° 30'	7-18-60	--	17	--	78	86	--	25' flat trawl
2831	28° 56'	87° 28'	7-18-60	0315-0345	17	--	78	86	--	25' flat trawl
2832	28° 56'	87° 30.5'	7-18-60	0405-0435	17	--	78	86	--	25' flat trawl
2833	28° 58'	87° 53'	7-18-60	0505-0540	16	--	78	86	--	25' flat trawl
2834	28° 56.5'	87° 53.5'	7-18-60	0555-0625	17	--	80	86	--	25' flat trawl
2835	28° 56'	87° 55.5'	7-18-60	0640-0710	16	--	80	86	--	25' flat trawl
2836	28° 56.5'	87° 33'	7-18-60	0725-0755	16	--	82	86	--	25' flat trawl
2837	28° 56.5'	87° 52'	7-18-60	0830-0900	16	--	84	86	--	25' flat trawl
2838	28° 56'	87° 54'	7-18-60	0915-0950	17	--	84	86	--	25' flat trawl
2839	28° 55.5'	87° 35.5'	7-18-60	1005-1035	16	--	83	86	--	25' flat trawl
2840	28° 55.5'	87° 53'	7-18-60	1055-1125	17	--	86	86	--	25' flat trawl
2841	28° 57'	87° 53'	7-18-60	1140-1210	17	--	86	86	--	25' flat trawl
2842	28° 56'	87° 54'	7-18-60	1235-1305	17	--	86	86	--	25' flat trawl
2843	28° 55.5'	87° 35'	7-18-60	1320-1350	17	--	86	86	--	25' flat trawl
2844	28° 56'	87° 35.5'	7-18-60	1410-1440	17-15	--	--	--	--	25' flat trawl
2845	28° 58'	87° 36'	7-18-60	1500-1530	15	--	86	86	--	25' flat trawl
2846	28° 58'	87° 35'	7-18-60	1550-1620	16	--	85	86	--	25' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2847	30° 08'	88° 23'	7-26-60	1145-1220	8	M.S.	93	88	--	40' balloon trawl
2848	30° 07'	88° 21'	7-26-60	1240-1255	10	gy.M.S.	92	88	--	Gill net
2849	30° 07'	88° 21'	7-26-60	1315-1445	10	gy.M.S.	92	88	--	Gill net
2850	30° 07'	88° 21'	7-26-60	1315-1415	10-11	gy.M.S.	92	88	--	25' flat trawl
2851	30° 06'	88° 23'	7-26-60	1520-1555	9	gy.M.S.	91	88	--	25' flat trawl
2852	28° 46'	91° 13.5'	8-2-60	1830-2050	7-5	--	79	85	--	40' balloon trawl
2853	28° 45'	91° 22'	8-3-60	0605-0805	10-12	M.	85	85	--	40' balloon trawl
2854	28° 33'	91° 22'	8-3-60	0930-1035	20-23	M.	88	86	--	40' balloon trawl
2855	28° 25'	91° 32'	8-3-60	1210-1340	32-34	M.	87	87	--	40' balloon trawl
2856	28° 15'	91° 35'	8-3-60	1445-1545	40-42	M.	89	87	--	40' balloon trawl
2857	27° 53'	91° 47'	8-3-60	1930-2230	110	--	85	87	--	Dip net
2858	28° 12'	91° 50'	8-4-60	0620-0755	40	--	86	86	--	40' balloon trawl
2859	29° 25'	91° 52.5'	8-4-60	0855-1025	28-30	M.	90	85.5	--	40' balloon trawl
2860	29° 38.5'	91° 55'	8-4-60	1135-1305	17-20	M.	92	86.5	--	40' balloon trawl
2861	29° 43'	91° 56'	8-4-60	1335-1445	17-20	M.	85	87	--	71' balloon trawl
2862	28° 37'	91° 51.5'	8-4-60	1525-1725	18-22	M.	89	87	--	71' balloon trawl
2863	28° 45'	91° 57'	8-4-60	1810-1910	16	M.	86	86	--	71' balloon trawl
2864	28° 42'	91° 58'	8-5-60	0750-0930	16-19	M.	86	86.5	--	71' balloon trawl
2865	29° 04'	92° 04'	8-5-60	1150-1215	--	--	86	85.5	--	Plankton net
2866	29° 07'	92° 05'	8-5-60	1300-1500	7	M.	92	88	--	71' balloon trawl
2867	29° 30'	92° 36.5'	8-5-60	1905-2005	5	M.	85	86.5	--	71' balloon trawl
2868	29° 31'	92° 40'	8-5-60	2025-2325	--	--	84	86	--	Dip net
2869	29° 31'	92° 45'	8-6-60	0605-0805	6	M.	93	86	--	71' balloon trawl
2870	29° 31'	92° 59'	8-6-60	0905-1105	6½	M.	93	86.5	--	71' balloon trawl
2871	29° 28'	93° 05'	8-6-60	1155-1355	7	M.	91	86.5	--	71' balloon trawl
2872	29° 20'	93° 12'	8-6-60	1500-1600	9	M.	89	86.5	--	71' balloon trawl
2873	29° 29'	93° 19'	8-6-60	1755-1855	7	M.	85	87	--	71' balloon trawl
2874	29° 37.5'	93° 22'	8-6-60	1940-2010	6	M.	84	86.5	--	71' balloon trawl
2875	29° 40'	93° 23'	8-7-60	0605-0805	5½	M.	84	86.5	--	71' balloon trawl
2876	29° 43'	93° 30'	8-7-60	0830-1015	5½	M.	82	86	--	71' balloon trawl
2877	29° 39'	93° 38'	8-7-60	1045-1245	5½	M.	87	87.4	--	70' balloon trawl
2878	29° 37'	93° 44.5'	8-7-60	1305-1505	5½-6	M.S.Sb.	86	87	--	71' balloon trawl
2879	28° 34'	93° 52'	8-7-60	1525-1725	6	M.S.Sb.	88	86.5	--	71' balloon trawl
2880	29° 33'	94° 03'	8-7-60	1745-1845	6	M.S.Sb.	84	86.5	--	71' balloon trawl
2881	29° 31'	94° 10'	8-7-60	1935-2135	6½	M.	83	86	--	71' balloon trawl
2882	29° 24'	94° 25'	8-8-60	0620-0820	6-3/4	M.	86	86	--	71' balloon trawl
2883	29° 12'	94° 50'	8-10-60	1255-1355	6-7	M.	86	87	--	71' balloon trawl
2884	29° 10'	94° 56'	8-10-60	1440-1640	5	M.	84	86	--	71' balloon trawl
2885	29° 05'	95° 03'	8-10-60	1725-1855	7.5	M.S.	84	86	--	71' balloon trawl
2886	28° 53'	95° 04'	8-10-60	2025-2225	10½	M.S.	84	85.5	--	40' & 71' balloon trawl
2887	28° 57'	95° 01'	8-10-60	2320-0120	10	M.	84	85	--	40' & 71' balloon trawl
2888	28° 36'	95° 03'	8-11-60	0605-0905	15	M.	82	86	--	40' & 71' balloon trawl
2889	28° 17'	95° 05'	8-11-60	1025-1155	24-27	M.	85	84.5	--	40' balloon trawl
2890	28° 05'	95° 05'	8-11-60	1250-1420	32-43	M.	87	83	--	40' balloon trawl
2891	27° 55'	95° 12'	8-11-60	1710-1810	50	M.	81	84.5	--	40' balloon trawl
2892	27° 55.5'	95° 10'	8-11-60	1825-1925	45	M.	79	83.5	--	40' balloon trawl
2893	27° 56'	95° 14'	8-11-60	--	45	M.	79	83.5	--	Dip net
2894	28° 05'	95° 18'	8-12-60	0720-0830	30	M.	76	83.5	--	40' balloon trawl
2895	28° 18'	95° 22'	8-12-60	1000-1100	20	M.	78	84.5	--	40' balloon trawl
2896	28° 18.5'	95° 19.5'	8-12-60	1120-1220	20	M.	82	84.5	--	40' balloon trawl
2897	28° 21'	95° 24'	8-12-60	1300-1500	18	M.S.Sb.	79	84.5	--	71' balloon trawl
2898	28° 30'	95° 25'	8-12-60	1620-1820	15	M.	79.5	84.5	--	71' balloon trawl
2899	28° 33'	95° 33'	8-12-60	1945-2130	11	M.	79	85	--	Dip net
2900	28° 34'	95° 27'	8-12-60	2200-0100	11	M.	79	85	--	71' balloon trawl
2901	29° 40'	95° 38'	8-13-60	--	7	M.	77	85	--	71' balloon trawl
2902	28° 39.5'	95° 45'	8-13-60	0845-1015	5½	M.	80	85	--	71' balloon trawl
2903	28° 39'	95° 50'	8-13-60	1050-1200	5½	M.	82	84	--	71' balloon trawl
2904	28° 32'	95° 54'	8-13-60	1220-1350	5-7	M.	82	84.5	--	71' balloon trawl
2905	28° 29'	95° 56'	8-13-60	1415-1715	7	S.	82	84.5	--	71' balloon trawl
2906	28° 25'	96° 10'	8-13-60	1810-1910	8-10	M.	82	84.5	--	65' flat trawl
2907	28° 25'	96° 10'	8-13-60	1925-2055	10	M.	81	84	--	65' flat trawl
2908	28° 08'	96° 12'	8-14-60	0640-0840	15	M.S.	80	82.5	--	65' flat trawl
2909	28° 00'	96° 16'	8-14-60	1020-1150	21	M.S.	82	83.5	--	65' flat trawl
2910	27° 58'	96° 09'	8-14-60	1225-1355	25	M.	75	83.5	--	65' flat trawl
2911	28° 09'	96° 20'	8-14-60	--	13	M.	83	83	--	65' flat trawl
2912	28° 04'	96° 25'	8-14-60	1930-2130	14	M.	81	85	--	65' flat trawl
2913	28° 16'	96° 26'	8-15-60	0700-0930	7	M.	87	83	--	65' flat trawl
2914	28° 04'	96° 33.5'	8-15-60	0905-1035	5-6	S.	86	84	--	65' flat trawl
2915	28° 10'	96° 41.5'	8-15-60	1055-1225	5	S.	87	84	--	65' flat trawl
2916	28° 01.5'	96° 48.5'	8-15-60	1315-1445	7	M.	87	84.4	--	65' flat trawl
2917	27° 54'	96° 52'	8-15-60	1530-1700	9	S.M.	84	84.4	--	Dip net
2918	27° 50'	96° 57'	8-15-60	--	9	M.	84	84.5	--	40' balloon trawl
2919	27° 43.5'	96° 12.5'	8-18-60	0630-0730	42	M.	85	84	--	71' balloon trawl
2920	27° 44'	96° 10'	8-18-60	0755-0855	42	M.	86	84	--	40' balloon trawl
2921	27° 43'	96° 55'	8-18-60	1145-1245	49	M.	90	85	--	40' balloon trawl
2922	27° 54'	96° 45'	8-18-60	1555-1655	32	M.	89	84.5	--	40' balloon trawl
2923	27° 48'	96° 36'	8-18-60	2000-0300	44	M.	86	84.5	--	Dip net
2924	28° 00'	96° 21.5'	8-19-60	0745-0845	34	M.	84	84	--	40' balloon trawl
2925	28° 07'	96° 56'	8-19-60	1105-1205	30	M.S.Sb.	85	85	--	40' balloon trawl
2926	28° 21'	94° 45'	8-19-60	1425-1525	22	M.	84	86	--	65' flat trawl
2927	28° 35'	94° 34'	8-19-60	1655-1755	17	M.	84	85.5	--	65' flat trawl
2928	28° 30'	94° 28'	8-19-60	1910-2010	20	M.	83	86.3	--	65' flat trawl
2929	28° 17'	94° 20'	8-20-60	0635-0735	27	M.	84	84.5	--	65' flat trawl
2930	28° 10'	94° 15'	8-20-60	0900-1000	32	M.	85	84.5	--	40' balloon trawl
2931	28° 10'	93° 30'	8-21-60	0615-0715	35	M.	85	85	--	40' balloon trawl
2932	28° 25'	93° 21.5'	8-21-60	0905-1005	27	--	86	85.3	--	40' balloon trawl
2933	28° 41'	93° 00'	8-21-60	1310-1410	18	--	84	85	--	40' balloon trawl
2934	28° 43'	93° 51'	8-21-60	1505-1705	17	--	84	85	--	71' balloon trawl
2935	28° 42.5'	93° 29'	8-21-60	1820-1920	18-19	M.	84	85	--	40' balloon trawl
2936	28° 42.5'	93° 26.5'	8-21-60	--	20	M.	--	85	--	Night light
2937	28° 43'	92° 25'	8-22-60	0625-0725	20	--	84	84.5	--	40' balloon trawl
2938	28° 45'	91° 58'	8-22-60	1030-1130	16	M.	84	84.5	--	40' balloon trawl
2339	28° 37'	91° 41'	8-22-60	1335-1435	19-22	--	86	85	--	40' balloon trawl
2940	28° 41'	91° 52'	8-22-60	1645-1815	17	M.	86	85	--	71' balloon trawl
2941	28° 42'	91° 54'	8-22-60	--	17	M.	83	84.5	--	Dip net
2942	28° 08'	91° 12'	8-23-60	1100-1230	57	M.	86	85	--	40' balloon trawl
2943	27° 46'	90° 55'	8-23-60	1605-1710	360-450	M.	85	85	--	60' midwater trawl
2944	27° 40'	90° 50'	8-24-60	1820-0540	600-700	M.	85	85	--	40' midwater trawl
2945	28° 33'	89° 48'	8-24-60	1800-0500	650	M.	85	85	--	40' midwater trawl
2946	29° 14'	88° 25.5'	9-7-60	--	34	--	84	85	--	Submarine light
2947	29° 00'	88° 23.5'	9-7-60	--	424	gy.M.	84	84	--	285' lampara net
2948	28° 52.5'	88° 09'	9-7-60	--	800	gy.M.	82	84	--	Dip net
2949	29° 05'	88° 44'	9-8-60	--	40	M.S.	81	84.5	--	Lift net
2950	29° 05'	88° 44'	9-8-60	--	48	M.S.	81	84	--	Lift net
2951	29° 14.5'	88° 25.5'	9-12-60	--	36	gy.M.	79	83.5	--	Submarine light

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
			Fathoms		Fathoms		° F.	° F.	° F.	
2952	29°14.5'	88°25.5'	9-12-13-60	--	38	gy.M.	80	83.5	--	500 watt above-surface light
2953	28°52'	88°08'	9-13-60	--	720	gy.M.	88	83	--	Trolling Jigs
2954	28°53'	88°23'	9-13-60	--	1050	hu.M.	81	83.5	--	Night light
2955	28°02'	87°35.5'	9-22-60	1845-1915	16	gy.S.Sb.	82	83	--	25' flat trawl
2956	28°59'	87°34.5'	9-22-60	1940-2010	16	gy.S.Sb.	82	83	--	25' flat trawl
2957	28°58'	87°34.5'	9-22-60	2030-2100	16	gy.S.Sb.	82	83	--	25' flat trawl
2958	28°58'	87°33'	9-22-60	2130-2200	16	gy.S.Sb.	81	82	--	25' flat trawl
2959	28°58'	87°35'	9-22-60	2220-2250	16	gy.S.Sb.	81	82	--	25' flat trawl
2960	28°26'	92°06'	10-5-60	2245-2400	29	--	78	80	--	40' balloon trawl
2961	28°56'	93°04'	10-6-60	0125-0225	18	--	78	80	--	40' balloon trawl
2962	28°45'	93°05'	10-6-60	0340-0440	14	--	79	80	--	40' balloon trawl
2963	28°55'	93°26'	10-6-60	0555-0655	11	M.S.Sb.	78	81	--	40' balloon trawl
2964	28°03'	93°26'	10-6-60	0805-0905	10	M.S.Sb.	79	81	--	40' balloon trawl
2965	28°09'	93°38'	10-6-60	1015-1115	9	M.S.Sb.	77	81	--	40' balloon trawl
2966	28°12'	93°46'	10-6-60	1230-1330	7	--	78	81	--	40' balloon trawl
2967	28°20'	93°56'	10-6-60	1445-1545	7	--	78	81	--	40' balloon trawl
2968	28°33'	94°02'	10-6-60	1645-1755	8	--	78	81	--	40' balloon trawl
2969	28°33'	94°12'	10-6-60	1830-2030	4½	S.Sb.	79	80	--	71' balloon trawl
2970	28°50'	94°21'	10-6-60	2045-2300	5	M.S.Sb.	79	80	--	71' balloon trawl
2971	28°27'	94°30'	10-7-60	0620-0820	5-3	M.S.Sb.	69	79	--	71' balloon trawl
2972	28°34'	94°20'	10-7-60	0835-1035	5	M.S.Sb.	71	79	--	71' balloon trawl
2973	28°35'	94°09'	10-7-60	1105-1235	5-4	--	84	80	--	71' balloon trawl
2974	28°36'	94°02'	10-7-60	1250-1450	5	--	82	80	--	71' balloon trawl
2975	28°31'	94°07'	10-7-60	1640-1830	6	M.S.Sb.	72	80	--	71' balloon trawl
2976	28°15'	94°41'	10-7-60	2130-2235	8	M.Sb.	78	79.5	--	71' balloon trawl
2977	28°13'	94°46'	10-7-8-60	2245-0013	9	M.Sb.	78	79.5	--	71' balloon trawl
2978	28°03'	94°47'	10-8-60	0135-0235	10	--	77	79	--	71' balloon trawl
2979	28°45'	94°47'	10-8-60	0350-0450	13-14	--	74	79	--	40' balloon trawl
2980	28°52'	94°48'	10-8-60	0625-0725	18	M.Sb.	78	80	--	40' balloon trawl
2981	28°18'	94°47'	10-8-60	0850-0950	25	M.S.Sb.	79	81	--	40' balloon trawl
2982	28°02'	94°48'	10-8-60	1115-1215	41	M.S.Sb.	80	81	--	40' balloon trawl
2983	28°05'	94°44'	10-3-60	1345-1445	34	--	83	82	--	40' balloon trawl
2984	28°14'	95°07'	10-8-60	1605-1705	24	--	84	82	--	40' balloon trawl
2985	28°22'	95°11'	10-8-60	1755-1915	18	M.Sb.	81	81	--	40' balloon trawl
2986	28°25'	95°19'	10-8-60	1930-2125	16	M.Sb.	81	81	--	71' balloon trawl
2987	28°28'	95°26'	10-8-60	2145-2345	14	M.Sb.	80	81	--	71' balloon trawl
2988	28°33'	95°34'	10-9-60	0030-0130	10-11	--	80	81	--	71' balloon trawl
2989	28°34'	95°44'	10-9-60	0220-0320	9-10	--	79	81	--	71' balloon trawl
2990	28°34'	95°44'	10-9-60	0410-0515	7	--	79	81	--	71' balloon trawl
2991	28°32'	96°02'	10-9-60	0535-0645	6	gy.9.	79	81	--	71' balloon trawl
2992	28°23'	96°18'	10-9-60	0830-0935	6	brd.S.	81	81	--	71' balloon trawl
2993	28°14'	96°29'	10-9-60	1100-1200	8	gy.S.	82	81	--	71' balloon trawl
2994	28°08'	96°39'	10-9-60	1315-1415	6	--	84	81	--	71' balloon trawl
2995	28°02'	96°50'	10-9-60	1530-1630	6	--	81	81	--	71' balloon trawl
2996	27°48'	97°00.5'	10-9-60	1815-1915	5	brd.S.	81	81.5	--	71' balloon trawl
2997	27°40'	96°54'	10-9-60	2035-2200	14	M.	80	81	--	71' balloon trawl
2998	27°35'	96°48'	10-9-60	2240-2345	20	M.	80	81	--	71' balloon trawl
2999	27°30'	96°45'	10-10-60	0030-0145	26-32	--	80	81	--	71' balloon trawl
3000	27°23'	96°38'	10-10-60	0340-0440	40-44	--	80	81	--	40' balloon trawl
3001	27°16'	96°36'	10-10-60	0545-0700	45	M.	80	81	--	40' balloon trawl
3002	27°09'	96°46'	10-10-60	0820-0940	36	M.	81	81	--	40' balloon trawl
3003	27°04'	96°57'	10-10-60	1055-1155	24	M.	81	81	--	65' flat trawl
3004	27°01'	97°05'	10-10-60	1255-1355	15-18	--	84	81	--	65' flat trawl
3005	26°52'	97°17'	10-10-60	1445-1555	8-10	--	86	81	--	65' flat trawl
3006	26°48'	97°18'	10-10-60	1620-1750	5-8	S.Sb.	82	82	--	65' flat trawl
3007	26°45'	97°11'	10-10-60	1825-1925	10	M.Sb.	82	82	--	65' flat trawl
3008	26°43'	97°06'	10-10-60	2020-2150	17	S.Sb.	82	82	--	71' balloon trawl
3009	26°41'	96°50'	10-10-11-60	2300-2400	22	M.S.Sb.	81	82	--	71' balloon trawl
3010	26°36'	96°55'	10-11-60	0205-0355	30-34	--	79	81	--	40' balloon trawl
3011	26°34'	96°37'	10-11-60	0440-0550	40-44	M.S.Sb.	79	81	--	40' balloon trawl
3012	26°32'	96°28'	10-11-60	0725-0820	56	M.S.	81	81.5	--	40' balloon trawl
3013	26°30'	96°33'	10-11-60	0930-1055	36-35	M.	82	81	--	71' balloon trawl
3014	26°25'	96°36'	10-11-60	1135-1250	32	M.S.	82	81	--	71' balloon trawl
3015	26°29'	96°38'	10-11-60	1315-1415	32	--	85	81	--	71' balloon trawl
3016	26°28'	96°42'	10-11-60	1530-1630	25	--	84	81	--	71' balloon trawl
3017	26°19'	96°50'	10-11-60	1800-1915	22	M.S.	84	82	--	71' balloon trawl
3018	26°14'	96°48'	10-11-60	1930-2130	24	M.S.	83	82	--	71' balloon trawl
3019	26°06'	96°41'	10-11-60	2220-2350	26-29	M.S.Sb.	82	81	--	71' balloon trawl
3020	26°05'	96°34'	10-12-60	0015-0145	30	--	80	81	--	71' balloon trawl
3021	26°08'	96°50'	10-12-60	0325-0510	22	--	79	81	--	71' balloon trawl
3022	26°18'	96°56'	10-12-60	0520-0700	21	M.S.	81	81.5	--	71' balloon trawl
3023	26°26'	96°55'	10-12-60	0715-0900	20-21	M.C.	81	81.5	--	71' balloon trawl
3024	26°35'	96°56'	10-12-60	0915-1045	21-18	M.S.Sb.	82	81.5	--	71' balloon trawl
3025	26°33'	97°02.5'	10-12-60	1100-1230	18-11	--	86	81	--	71' balloon trawl
3026	26°33'	97°09'	10-12-60	1355-1425	11-8	--	86	81	--	71' balloon trawl
3027	26°28'	97°11'	10-12-60	1445-1615	8-5	--	88	81	--	71' balloon trawl
3028	26°21'	97°10'	10-12-60	1650-1820	5	S.	89	81	--	71' balloon trawl
3029	26°16'	97°08'	10-12-60	1925-2040	9	S.	84	81	--	71' balloon trawl
3030	26°17'	97°03.5'	10-12-60	2055-2225	11	M.Sb.	82	81	--	71' balloon trawl
3031	26°21'	96°57.5'	10-12-13-60	2345-0035	19	M.S.Sb.	81	82	--	65' flat trawl
3032	26°17'	96°59'	10-13-60	0155-0325	15	--	79	81	--	71' balloon trawl
3033	26°06'	97°02'	10-13-60	0420-0550	13	--	80	81	--	71' balloon trawl
3034	26°01.5'	97°05.5'	10-13-60	0630-0735	9½	Co.M.S.	82	82	--	71' balloon trawl
3035	26°59'	97°07.5'	10-13-60	0830-0930	5-7	S.M.Sb.	83	82	--	40' balloon trawl
3036	26°58'	97°02.5'	10-13-60	1015-1115	13-14½	Co.M.S.	83	82	--	40' balloon trawl
3037	26°56'	96°58'	10-13-60	1140-1310	15	Co.M.Sb.	83	82	--	40' balloon trawl
3038	25°55'	96°50'	10-13-60	1355-1525	22-26	--	84	82	--	40' balloon trawl
3039	25°52'	96°45'	10-13-60	1545-1645	26	--	84	82	--	40' balloon trawl
3040	25°52'	96°40'	10-13-60	1730-1900	29	M.Sb.	82	82.5	--	71' balloon trawl
3041	25°56.5'	96°29'	10-13-60	2010-2200	40	M.S.Sb.	82	82.5	--	71' balloon trawl
3042	26°06'	96°25.5'	10-13-14-60	2230-0000	38	M.S.Sb.	82	82	--	71' balloon trawl
3043	26°10.5'	96°32'	10-14-60	0035-0235	28-26	--	82	82	--	71' balloon trawl
3044	26°14'	96°38'	10-14-60	0305-0425	26	--	82	82	--	40' balloon trawl
3045	26°55'	96°40.5'	10-17-60	2235-2355	45-47	M.	80	82	--	71' balloon trawl
3046	27°50'	96°33'	10-17-60	0630-0800	20	M.	79	81	--	71' balloon trawl
3047	27°42'	97°01'	10-21-60	0940-1040	10	M.	69	78	--	71' balloon trawl
3048	27°35'	97°06'	10-21-60	1130-1230	10	M.	69	78	--	71' balloon trawl
3049	27°24'	97°15'	10-21-60	1350-1450	6	--	69	77	--	71' balloon trawl
3050	27°20'	97°18'	10-21-60	1450-1550	6	--	69	77	--	71' balloon trawl
3051	27°18.5'	97°10'	10-21-60	1705-1805	13	--	68	77	--	71' balloon trawl
3052	27°17.5'	96°58.5'	10-21-60	1900-2015	20	M.	73	79.5	--	71' balloon trawl
3053	27°18'	96°48'	10-21-60	2120-2325	30	M.	72	79	--	71' balloon trawl
3054	27°45'	96°35'	10-22-60	0215-0315	22	--	75	78	--	71' balloon trawl
3055	27°44'	96°24'	10-22-60	0505-0605	32	--	74	78	--	71' balloon trawl

Table 1--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
3056	27°58'	96°2.5'	10-22-60	0800-0920	50-40	M.Co.	74	81	--	71' balloon trawl
3057	27°55'	96°37'	10-22-60	1315-1415	15	--	75	78	--	71' balloon trawl
3058	28°00'	96°43'	10-22-60	1535-1635	10	--	78	77	--	71' balloon trawl
3059	29°22'	94°37'	10-23-60	0845-0945	5-4	M.Sb.S.	83	74	--	71' balloon trawl
3060	29°34'	94°15'	10-23-60	1215-1415	4	--	78	75	--	71' balloon trawl
3061	29°34'	93°54'	10-23-60	1610-1710	6	--	76	75	--	71' balloon trawl
3062	29°32'	93°42'	10-23-60	1810-1910	7	M.Sb.	74	75	--	71' balloon trawl
3063	29°33'	93°50'	10-23-60	2000-2100	7	gy.M.	74	75	--	71' balloon trawl
3064	29°34'	93°20'	10-23-60	2200-2300	6½	M.Sb.	73	75	--	71' balloon trawl
3065	29°25'	93°07'	10-24-60	0920-0120	8	--	74	76	--	71' balloon trawl
3066	29°12'	92°56'	10-24-60	0315-0345	10	--	75	76	--	71' balloon trawl
3067	29°03'	92°48'	10-24-60	0500-0540	15	--	75	77	--	71' balloon trawl
3068	28°53'	92°41'	10-24-60	0645-0750	15	gy.M.S.	75	77	--	71' balloon trawl
3069	28°40.5'	92°34'	10-24-60	0900-1000	19-20	gy.M.	78	77.5	--	71' balloon trawl
3070	28°34'	92°20'	10-24-60	1125-1240	25	gy.M.S.	78	78	--	71' balloon trawl
3071	28°24'	92°00'	10-24-60	1430-1545	32	--	76	78	--	71' balloon trawl
3072	28°01'	91°58'	10-24-60	1740-1840	40	--	75	78	--	71' balloon trawl
3073	28°22'	91°37'	10-24-60	2115-2220	34	M.	75	79	--	40' balloon trawl
3074	28°31'	91°39'	10-24/25-60	2345-0045	24	M.	75	79	--	60' balloon trawl
3075	28°31'	91°32'	10-25-60	0105-0205	23	--	75	79	--	60' balloon trawl
3076	28°30'	91°23'	10-25-60	0230-0330	23	--	76	80	--	60' balloon trawl
3077	28°29'	91°15'	10-25-60	0350-0450	22	--	76	80	--	60' balloon trawl
3078	28°28'	91°12'	10-25-60	0535-0640	22	--	76	80	--	71' balloon trawl
3079	28°31'	91°11'	10-25-60	0710-0825	20	M.	76	79	--	60' balloon trawl
3080	28°33.5'	91°04'	10-25-60	0935-1100	14	M.	76	78	--	71' balloon trawl
3081	28°37'	90°48'	10-25-60	1220-1320	10	--	76	79	--	60' balloon trawl
3082	28°37'	90°34.5'	10-25-60	1445-1545	12-15	--	76	79	--	71' balloon trawl
3083	28°36'	90°27'	10-25-60	1605-1705	16	--	76	79	--	71' balloon trawl
3084	28°36'	90°23'	10-25-60	1725-1830	17	--	76	79	--	71' balloon trawl
3085	28°44'	90°13'	10-25-60	1845-1955	20	--	76	79	--	71' balloon trawl
3086	28°38.5'	90°11'	10-25-60	2030-2200	22	M.S.	76	79	--	60' balloon trawl
3087	28°36'	90°19'	10-25-60	2240-2350	22	M.S.	75	79	--	60' balloon trawl
3088	28°35'	90°12'	10-26-60	0110-0120	26	--	76	79	--	71' balloon trawl
3089	28°33'	90°06'	10-26-60	0305-0415	34-41	--	76	79	--	71' balloon trawl
3090	28°21'	90°04'	10-26-60	0500-0515	50	--	76	79	--	71' balloon trawl
3091	28°42'	90°02'	10-26-60	0915-1015	25	M.	77	79	--	71' balloon trawl
3092	28°49'	90°03'	10-26-60	1130-1230	20	M.	77	79	--	71' balloon trawl
3093	29°00'	89°52'	10-26-60	1405-1510	16	--	76	77	--	71' balloon trawl
3094	29°09'	89°49'	10-26-60	--	10	--	75	77	--	60' balloon trawl
3095	29°12'	89°46'	10-26-60	1745-1820	6	--	75	79	--	60' balloon trawl
3096	29°06'	89°41'	10-26-60	1940-2025	13	M.	76	76	--	71' balloon trawl
3097	29°02.5'	89°39'	10-26-60	2045-2145	16	M.	76	76	--	71' balloon trawl
3098	29°00'	89°35'	10-26-60	2200-2300	22	M.	76	77	--	71' balloon trawl
3099	28°57'	89°32.5'	10-26/27-60	2320-0050	26	M.	76	76	--	71' balloon trawl
3100	29°00'	89°42'	10-27-60	0130-0230	23	--	76	76	--	71' balloon trawl
3101	29°00'	89°55'	10-27-60	0340-0410	16	--	76	76	--	71' balloon trawl
3102	28°58'	88°18'	10-27-60	1815-0000	545-445	gy.M.	77	78	--	60' midwater trawl
3103	30°09.5'	88°42'	11-18-60	1410-1510	7½	bu.M.S.	66	66.5	--	71' balloon trawl
3104	30°02'	88°38'	11-18-60	1710-1810	11	M.S.b.	66	67	--	71' balloon trawl
3105	29°55'	88°28'	11-18-60	1935-2040	16	--	67	70	--	71' balloon trawl
3106	29°44'	88°26'	11-18-60	2150-2320	21	--	68	74	--	71' balloon trawl
3107	29°34'	88°25'	11-19-60	0015-0145	26	gy.S.b.	67	74.5	--	71' balloon trawl
3108	29°31'	88°37'	11-19-60	0240-0420	19	M.S.	67	73.5	--	71' balloon trawl
3109	29°26.5'	88°45'	11-19-60	0445-0615	16	gy.M.S.	67	73	--	71' balloon trawl
3110	29°22.5'	88°51'	11-19-60	0635-0805	14	--	68	75	--	71' balloon trawl
3111	29°53'	88°57'	11-19-60	0855-1025	8	--	67	73	--	71' balloon trawl
3112	29°29'	88°52'	11-19-60	1110-1240	8	--	68	73	--	71' balloon trawl
3113	29°27'	88°36'	11-19-60	1535-1700	26	gy.M.	81	73.5	--	71' balloon trawl
3114	29°21'	88°39'	11-19-60	1745-1845	32	--	67	73	--	71' balloon trawl
3115	29°15'	88°44'	11-19-60	1935-2050	37	--	68	76	--	71' balloon trawl
3116	29°11.5'	88°39'	11-19-60	2200-0000	41	--	76	71	67	71' balloon trawl
3117	29°16'	88°26'	11-20-60	0235-0405	40	M.S.	71	75	--	71' balloon trawl
3118	29°19'	88°15'	11-20-60	0715-0815	35	--	72	76	--	71' balloon trawl
3119	29°25'	88°13'	11-20-60	0915-1015	30	--	74	74	--	71' balloon trawl
3120	29°29'	88°10'	11-20-60	1115-1245	25	--	74	74	--	71' balloon trawl
3121	29°34'	88°15'	11-20-60	1325-1425	22	--	74	74	--	71' balloon trawl
3122	29°39'	88°11'	11-20-60	1505-1605	21	gy.S.	71	74	--	71' balloon trawl
3123	29°48'	88°15'	11-20-60	1705-1805	20	--	71	74	--	71' balloon trawl
3124	29°55'	88°11'	11-20-60	1905-2005	17	--	71	72	--	71' balloon trawl
3125	29°58'	88°05'	11-20-60	2050-2220	15	--	74	71	--	71' balloon trawl
3126	30°00'	88°59'	11-20-60	2305-0015	13	--	69	70	--	71' balloon trawl
3127	29°56'	88°51'	11-21-60	0105-0220	18	--	69	70	--	71' balloon trawl
3128	29°48'	88°45'	11-21-60	0315-0430	21-23	--	69	72.5	--	71' balloon trawl
3129	29°39'	88°40'	11-21-60	0520-0635	20	--	69	72.5	--	71' balloon trawl
3130	29°35'	88°35'	11-21-60	0715-0740	30	--	72	72	--	71' balloon trawl
3131	29°29'	88°46'	11-21-60	0935-1055	35	--	75	73	--	71' balloon trawl
3132	29°24'	88°38'	11-21-60	1320-1420	60-70	--	74	74	--	71' balloon trawl
3133	29°35.5'	88°22.5'	11-21-60	1735-1835	44	--	71	74.5	--	71' balloon trawl
3134	29°43'	88°24'	11-21-60	2040-2155	32	--	71	74	--	71' balloon trawl
3135	29°51'	88°24'	11-21-60	2350-0050	18	--	71	76	--	71' balloon trawl
3136	29°58'	88°28'	11-22-60	0210-0315	18	gy.S.b.	71	73.5	--	71' balloon trawl
3137	30°04'	88°31'	11-22-60	0405-0505	15	S.b.	71	71	--	71' balloon trawl
3138	30°08.5'	88°26'	11-22-60	0550-0650	15	--	71	71	--	71' balloon trawl
3139	30°13'	88°30'	11-22-60	0745-0845	8	--	72	69	--	71' balloon trawl
3140	30°13'	88°35'	11-22-60	0855-0955	4	--	72	69	--	71' balloon trawl
3141	30°14'	88°39'	11-22-60	1010-1110	5	--	72	69	--	71' balloon trawl
3142	30°13'	88°44'	11-22-60	1125-1225	5	--	72	69	--	71' balloon trawl
3143	30°06'	88°53'	11-22-60	1405-1505	8-10	--	74	70.5	--	71' balloon trawl
3144	30°09.5'	88°10'	11-22-60	1645-1745	10	--	71	69	--	71' balloon trawl
3145	30°13'	88°13'	11-22-60	1805-1905	7	--	71	69	--	71' balloon trawl
3146	29°59'	88°16'	11-22-60	2220-2330	16	--	74	69	--	71' balloon trawl
3147	30°13.5'	88°13'	11-23-60	0515-0630	7	--	69	68.5	--	71' balloon trawl
3148	30°08'	88°13'	11-23-60	0645-0815	7	--	69	67	--	71' balloon trawl
3149	30°14'	88°10'	11-23-60	0830-0930	5	--	70	67	--	71' balloon trawl
3150	30°14'	88°14'	11-23-60	0945-1100	5	--	70	67	--	71' balloon trawl
3151	30°12.5'	88°11'	11-23-60	1520-1700	7-8	--	77	69	--	71' balloon trawl
3152	30°12'	88°11'	11-23-60	1720-1920	7	--	77	70	--	71' balloon trawl
3153	30°13'	88°14'	11-23-60	1835-1905	7	--	63	69	--	60/80' balloon trawl
3154	30°12'	88°08'	11-23-60	1925-1655	7	--	61	69	--	60/80' balloon trawl
3155	30°12'	88°07'	11-23-60	1710-1840	7	--	60	69	--	60/80' balloon trawl
3156	30°13'	88°08'	11-30-60	0905-1050	7	--	44	68	--	70/84' balloon trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
3157	30° 13'	88° 13.5'	11-30-60	--	6 $\frac{1}{2}$ -8	--	50	68	--	60' balloon trawl
3158	30° 12.5'	88° 12.5'	12-1-60	0625-0755	7 $\frac{1}{2}$ -8	--	41	66	--	60' balloon trawl
3159	30° 12.5'	88° 12.5'	12-1-60	0810-0940	8	--	41	66	--	60' balloon trawl
3160	30° 12'	88° 12'	12-1-60	1000-1140	8	--	44	66	--	70/84' balloon trawl
3161	30° 12'	88° 12'	12-1-60	1150-1320	7-8	--	45	66	--	60/80' balloon trawl
3162	30° 13'	88° 13'	12-2-60	0800-1000	4-7	--	41	62	--	70' balloon trawl
3163	30° 11'	88° 07'	12-2-60	1015-1215	7	--	44	62	--	70/84' balloon trawl
3164	30° 12'	88° 12'	12-2-60	1240-1440	6	--	46	62	--	60/80' balloon trawl
3165	30° 12'	88° 07'	12-2-60	1455-1655	6	--	46	62	--	60/80' balloon trawl
3166	29° 18'	87° 50'	12-3-60	0720-0850	100	--	64	74	--	60/80' balloon trawl
3167	29° 16'	87° 56'	12-3-60	0930-1100	115-95	--	64	74	--	60/80' balloon trawl
3168	29° 16'	87° 52'	12-3-60	1200-1350	150	--	66	74	--	60/80' balloon trawl
3169	29° 15'	87° 57'	12-3-60	1520-1745	225	--	68	74	--	70' balloon trawl
3170	29° 11'	88° 05'	12-3-60	1915-2045	225	--	64	74	--	70/84' balloon trawl
3171	29° 13'	88° 57'	12-3-60	2140-2310	225	--	64	74	--	70/84' balloon trawl
3172	29° 14'	87° 50'	12-4-60	0010-0310	225	--	64	74	--	70/84' balloon trawl
3173	29° 20'	87° 40'	12-4-60	0435-0610	110-90	--	64	74	--	70/84' balloon trawl
3174	29° 23'	88° 06'	12-4-60	0925-1025	40	--	70	73	--	60/80' balloon trawl

Table 2.--M/V Combat station list

M/V COMBAT STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
1	29 17'	80 04'	7-27-56	0727-1130	200-205	M.	--	83	--	40' flat trawl
2	29 56'	80 11'	7-27-56	1241-1640	210-215	--	92	83	--	40' flat trawl
3	29 48'	80 15'	7-27-56	1818-2118	200	M.	80	82	--	40' flat trawl
4	29 43'	80 12'	7-27-56	2219-0400	200	M.	--	82	--	40' flat trawl
5	--	--	7-28-56	--	--	--	--	--	--	40' flat trawl
6	29 47'	80 13'	7-28-56	--	190-200	M.	78	80	--	100' flat trawl
7	29 47'	80 12'	7-28-56	1523-1725	200-250	M.	93	85	--	90' balloon trawl
8	29 56'	80 13'	7-28-56	--	200	--	--	--	--	90' balloon trawl
9	29 46'	80 12'	7-29-56	2400-0425	200	--	80	82	--	80' balloon trawl
10	29 38'	80 11'	7-29-56	0514-0647	175	--	80	82	--	80' balloon trawl
11	29 49'	80 1'	7-29-56	0824-1224	200	M.	90	83	53	80' balloon trawl
12	29 57.5'	80 11'	7-30-56	0917-1220	180	--	90	83	47.5	40' balloon trawl
13	29 55'	80 12'	7-30-56	1354-1657	190	--	92	83	48	40' balloon trawl
14	29 55'	80 12'	7-30-56	--	175-80	M.	--	--	--	40' balloon trawl
15	29 54'	80 12.5'	7-30-56	2200-0100	190	--	--	--	--	40' balloon trawl
16	29 55'	80 08'	7-31-56	1055-1400	197	--	91	85	--	40' flat trawl
17	29 47'	80 10'	7-31-56	1610-1840	200	M.	92	85	--	40' flat trawl
18	29 53'	80 09'	8-6-56	2020-2320	175	--	78	--	--	40' flat trawl
19	29 40'	80 11'	8-7-56	2418-0415	175	bu.M.	70	--	--	40' flat trawl
20	29 26'	80 08'	8-7-56	0515-0815	195-200	M.	--	--	--	40' flat trawl
21	29 39'	80 12'	8-7-56	0910-1210	175	M.	78	--	--	40' flat trawl
22	29 48'	80 11'	8-7-56	1300-1600	185	M.	89	81	--	40' flat trawl
23	29 55'	80 12'	8-7-56	1705-2005	185-90	M.	89	81	--	40' flat trawl
24	29 47'	80 12'	8-7-56	2055-2400	185-95	--	--	--	--	40' flat trawl
25	29 55'	80 11'	8-8-56	0105-0500	185-95	M.	--	--	--	40' flat trawl
26	29 42'	80 11'	8-8-56	0555-1000	185-95	M.	81	81	--	40' flat trawl
27	29 55'	80 12'	8-8-56	1045-1445	185-95	M.	81	81	--	40' flat trawl
28	29 47'	80 12'	8-8-56	1537-1900	185-95	M.	80	81	--	40' flat trawl
29	29 55'	80 12'	8-8-56	2008-0005	170-75	M.	81	82	--	40' flat trawl
30	29 45'	80 12'	8-9-56	--	185	M.	80	82	--	40' flat trawl
31	29 40'	80 12'	8-9-56	0614-0945	205-210	M.	80	81	--	40' flat trawl
32	29 57'	80 10'	8-9-56	1045-1350	200-205	M.	--	--	--	40' flat trawl
33	29 56'	80 11'	8-9-56	--	200	M.	84	82	--	40' flat trawl
34	29 56'	80 11'	8-9-56	2033-2435	200	M.	80	83	--	40' flat trawl
35	29 55'	80 11'	8-10-56	0204-0605	200	M.	78	83	--	40' flat trawl
36	29 56'	80 11'	8-10-56	0742-1150	210	M.	80	83	--	40' flat trawl
37	29 44'	80 12'	8-10-56	1242-1645	210	M.	95	83	--	40' flat trawl
38	29 57'	80 11'	8-10-56	1740-2145	210-25	M.	83	83	--	40' flat trawl
39	29 50'	80 12'	8-10-56	2230-0030	200	M.	80	83	--	40' flat trawl
40	29 56'	80 11'	8-16-56	1920-2320	200	M.	80	--	--	100' flat trawl
41	29 50'	80 12'	8-17-56	0010-0200	200	M.	--	83	--	100' flat trawl
42	29 58'	80 10'	8-17-56	0305-0605	200	M.	--	--	--	100' flat trawl
43	29 58'	80 11'	8-17-56	0744-1145	200	M.	--	--	--	56' flat trawl
44	29 53'	80 11'	8-17-56	1130-1537	190	M.	88	--	--	56' flat trawl
45	29 46'	80 11'	8-17-56	1646-1948	180	M.	80	83	--	56' flat trawl
46	29 57'	80 11'	8-18-56	0840-1145	175	M.	84	83	--	56' flat trawl
47	29 50'	80 11'	8-18-56	--	185	M.	85	83	--	56' flat trawl
48	29 44'	80 12'	8-18-56	1900-2305	175	M.	80	84	--	56' flat trawl
49	29 58'	80 09'	8-19-56	0015-0405	185	M.	78	84	--	56' flat trawl
50	29 47'	80 11'	8-19-56	0455-0725	185	M.	80	83	--	56' flat trawl
51	29 44'	80 12'	8-19-56	0815-1210	185	M.	80	83	--	56' flat trawl
52	29 58'	80 09'	8-19-56	1443-1840	190	M.	90	83	--	40' flat trawl
53	29 50'	80 11'	8-19-56	1930-2325	185	M.	82	83	--	40' flat trawl
54	29 42'	80 10'	8-20-56	2420-0325	180	M.	80	83	--	40' flat trawl
55	29 58'	80 10'	8-20-56	--	160	M.	80	83	--	40' flat trawl
56	29 55'	80 10'	8-20-56	0928-1435	--	M.	82	83	--	40' flat trawl
57	29 49'	80 12'	8-20-56	1044-1355	180	M.	83	85	--	40' flat trawl
58	30 00'	80 10'	8-20-56	1750-2125	170	M.	83	85	--	40' flat trawl
59	30 00'	80 10'	8-20-56	1652-2040	170	M.	83	85	--	40' flat trawl
60	29 56'	80 09'	8-21-56	0905-1310	185-90	M.	84	84	--	40' flat trawl
61	29 47'	80 11'	8-21-56	1355-1732	190	M.	82	83	--	40' flat trawl
62	29 40'	80 11'	8-21-56	1820-1945	170	M.	78	83	--	40' flat trawl
63	30 24'	81 10'	8-22-56	0915-1015	13	--	84	78	--	40' flat trawl
64	30 20'	81 06'	8-22-56	1112-1215	13	--	83	78	--	40' flat trawl
65	30 16'	80 00'	8-22-56	1309-1410	16	--	80	78	--	40' flat trawl
66	30 17'	80 57'	8-30-56	--	12 ¹ ₂	9.Sb.	--	--	--	40' flat trawl
67	30 15'	80 52'	8-30-56	1913-1944	15	S.Sb.	82	--	--	40' flat trawl
68	30 17'	80 41'	8-30-56	--	16	S.Sb.	81	--	--	40' flat trawl
69	30 20'	80 28'	8-31-56	0003-0033	18	--	--	--	--	40' flat trawl
70	30 16'	80 21'	8-31-56	0211-0240	22	--	--	--	--	40' flat trawl
71	30 15'	80 19'	8-31-56	0355-0600	22	--	81	--	--	90' balloon trawl
72	30 11'	80 17'	8-31-56	0709-0740	32	--	--	--	--	40' flat trawl
73	30 11'	80 17'	8-31-56	0822-0857	45	--	--	84	82	40' flat trawl
74	30 10'	80 14'	8-31-56	--	50-52	8.Sb.	84	84	--	40' flat trawl
75	30 07'	80 14'	8-31-56	1050-1205	65	S.Sb.	86	84	--	40' flat trawl
76	--	--	8-31-56	1224-1330	65	S.Sb.	86	84	--	40' flat trawl
77	30 03'	80 15'	8-31-56	1356-1458	80	5.Sb.	91	--	--	40' flat trawl
78	30 01'	80 14'	8-31-56	1542-1720	100	5.Sb.	88	84	--	40' flat trawl
79	30 00'	80 14'	9-1-56	0805-0933	110	--	80	80	--	40' flat trawl
80	29 57'	80 13'	9-1-56	1022-1252	120	--	--	--	--	40' flat trawl
81	29 51'	80 14'	9-1-56	1422-1553	80	--	--	--	--	10' beam trawl
82	29 48'	80 12'	9-1-56	1640-1844	130	--	87	--	--	10' beam trawl
83	29 57'	80 10'	9-1-56	2127-0322	190	--	--	--	--	10' beam trawl
84	29 56'	80 10'	9-1-56	2143-0245	190	--	--	--	--	40' flat trawl
85	29 55'	80 12'	9-2-56	0542-1130	170	gn. 8.	84	--	--	10' beam trawl
86	29 55'	80 12'	9-2-56	--	170	--	84	--	--	40' flat trawl
87	29 35'	80 11'	9-2-56	1318-1618	170	gn.M.	86	--	--	40' flat trawl
88	29 09'	80 12'	9-3-56	0758-0809	35	--	90	--	--	10' beam trawl
89	28 54'	80 09'	9-3-56	1050-1126	45	Co.	88	--	--	10' beam trawl
90	28 52'	80 05'	9-3-56	1252-1351	65	--	82	--	--	10' beam trawl
91	28 50'	80 04'	9-3-56	1420-1620	80	--	81	--	--	10' beam trawl
92	28 47'	80 00'	9-3-56	--	100	gn. M.	80	--	--	10' beam trawl
93	28 43'	80 05'	9-3-56	2018-2040	40	--	--	--	--	10' beam trawl
94	28 47'	80 08'	9-3-56	2319-2355	30	Sh.	--	--	--	40' flat trawl
95	28 45'	80 10'	9-4-56	0020-0120	25	--	--	--	--	40' flat trawl
96	28 58'	80 07'	9-4-56	0247-0347	46	--	--	--	--	40' flat trawl
97	28 06'	80 16'	9-4-56	0540-0642	30	--	78	--	--	40' flat trawl
98	28 40'	80 17'	9-4-56	1738-1837	40	--	78	--	--	40' flat trawl
99	28 38'	80 15'	9-4-56	--	44	Co.	78	84	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
100	29 45'	80 19'	9-4-56	--	23	--	--	--	--	40' flat trawl
101	29 48'	80 23'	9-4-56	2310-0010	25	--	--	--	--	40' flat trawl
102	29 57'	80 12'	9-13-56	2320-0417	175-185	--	--	--	--	40' flat trawl
103	29 57'	80 12'	9-13-56	2327-0535	175-185	--	--	--	--	40' flat trawl
104	29 48'	80 12'	9-14-56	0530-1120	185	gn.M.	--	--	--	40' flat trawl
105	29 48'	80 12'	9-14-56	0543-0946	185	gn.M.	--	--	--	40' flat trawl
106	29 42'	80 11'	9-14-56	1230-1315	180	gn.M.	--	--	--	40' flat trawl
107	29 45'	80 12'	9-14-56	1506-1835	200	gn.M.	--	--	--	40' flat trawl
108	29 58'	80 10'	9-14-56	1928-0047	185	gn.M.	--	--	--	40' flat trawl
109	29 58'	80 10'	9-14-56	1947-0000	185	gn.M.	78	--	--	40' flat trawl
110	29 57'	80 11'	9-15-56	0300-0700	185-195	M.	--	--	--	40' flat trawl
111	29 44'	80 11'	9-15-56	0748-1205	200	gn.M.	--	--	--	40' flat trawl
112	29 33'	80 10'	9-15-56	1248-1705	180	gn.M.	--	--	--	40' flat trawl
113	29 48'	80 12'	9-15-56	1750-2055	180	gn.M.	--	--	--	40' flat trawl
114	29 59'	80 10'	9-16-56	2225-0300	185	M.	--	--	--	56' flat trawl
115	29 57'	80 11'	9-16-56	0315-0706	180	M.	--	--	--	56' flat trawl
116	29 55'	80 12'	9-16-56	1015-1415	180	bu.M.	--	--	--	56' flat trawl
117	29 47'	80 13'	9-16-56	1510-1805	175	M.	89	80	--	56' flat trawl
118	29 58'	80 11'	9-16-56	1925-2230	185	gn.M.	--	--	--	40' flat trawl
119	29 52'	80 11'	9-16-56	2317-0225	180	gn.M.	--	--	--	40' flat trawl
120	29 44'	80 13'	9-17-56	0331-0705	180	gn.M.	--	--	--	40' flat trawl
121	29 57'	80 11'	9-17-56	0830-1210	175	M.	--	--	--	40' flat trawl
122	29 46'	80 12'	9-17-56	1305-1535	175-185	M.	--	--	--	40' flat trawl
123	29 55'	80 12'	9-17-56	1635-1940	175	--	--	--	--	40' flat trawl
124	29 45'	80 12'	9-17-56	2057-2335	175	--	--	--	--	40' flat trawl
125	29 56'	80 12'	9-18-56	0026-0428	180	gn.M.	70	--	--	40' flat trawl
126	29 45'	80 13'	9-18-56	0523-0925	175	M.	--	--	--	40' flat trawl
127	29 30'	80 09'	9-18-56	1022-1522	210	M.	76	--	--	40' flat trawl
128	29 20'	80 05'	9-18-56	1615-2015	200	M.	--	--	--	40' flat trawl
129	29 10'	80 03'	9-18-56	2105-0110	200	M.	--	--	--	40' flat trawl
130	29 04'	79 59'	9-19-56	0215-0610	210-215	--	--	--	--	40' flat trawl
131	28 58'	79 57'	9-19-56	0710-1025	225	M.	78	--	--	40' flat trawl
132	28 53'	80 01'	9-19-56	1135-1335	150	M.	--	--	--	40' flat trawl
133	28 49'	79 56'	9-19-56	1432-1532	165	gy.M.	--	--	--	40' flat trawl
134	29 56'	80 10'	10-2-56	2300-0200	180-185	--	--	--	--	56' flat trawl
135	29 45'	80 13'	10-3-56	0258-0552	170	gn.M.	--	--	--	56' flat trawl
136	29 38'	80 10'	10-3-56	0645-1001	200	gn.M.	--	--	--	56' flat trawl
137	29 56'	80 09'	10-3-56	1135-1435	185	gn.M.	--	--	--	40' flat trawl
138	29 52'	80 12'	10-3-56	1617-1920	185	gn.M.	--	--	--	40' flat trawl
139	29 48'	80 12'	10-3-56	2030-2330	170	gn.M.	--	--	--	40' flat trawl
140	30-00	80 10'	10-4-56	0025-0438	180	gn.M.	--	--	--	40' flat trawl
141	29 56'	80 11'	10-18-56	2005-2258	180	--	--	--	--	40' flat trawl
142	29 47'	80 11'	10-18-56	2355-0312	200	gn.M.	--	--	--	40' flat trawl
143	29 39'	80 11'	10-19-56	0423-0745	220	gn.M.	--	--	--	40' flat trawl
144	29 54'	80 09'	10-43-56	0848-1150	210	--	--	--	--	40' flat trawl
145	29 45'	80 08'	10-19-56	1245-1555	230	--	--	--	--	40' flat trawl
146	29 35'	80 10'	10-19-56	1655-2000	210	--	--	--	--	40' flat trawl
147	29 78'	80 10'	10-19-56	2055-2400	210	--	--	--	--	40' flat trawl
148	29 23'	80 08'	10-20-56	0105-0407	185	--	--	--	--	40' flat trawl
149	29 22'	80 07'	10-20-56	0513-0905	185	--	--	--	--	40' flat trawl
150	29 22'	80 07'	10-20-56	0530-0830	185	--	--	--	--	40' flat trawl
151	29 16'	80 05'	10-20-56	0955-1300	185	gn.M.	--	--	--	40' flat trawl
152	29 31'	80 09'	10-20-56	1345-1800	185	gn.M.	--	--	--	40' flat trawl
153	29 31'	80 09'	10-20-56	1420-1725	185	gn.M.	--	--	--	40' flat trawl
154	29 30'	80 08'	10-20-56	1915-2312	185	--	--	--	--	40' flat trawl
155	29 30'	80 08'	10-20-56	1930-2235	180	--	--	--	--	40' flat trawl
156	29 22'	80 07'	10-21-56	0020-0420	--	gn.M.	--	--	--	40' flat trawl
157	29 20'	80 08'	10-21-56	--	185	gn.M.	--	--	--	40' flat trawl
158	30 42'	80 38'	10-31-56	1814-1910	18	S.Sh.	--	--	--	40' flat trawl
159	30 49'	80 29'	10-31-56	2009-2107	20	--	--	--	--	40' flat trawl
160	30 54'	80 15'	10-31-56	2230-2330	21	--	--	--	--	40' flat trawl
161	31 01'	80 02'	11-1-56	0115-0215	25	--	--	--	--	40' flat trawl
162	31 05'	79 56'	11-1-56	--	30	--	--	--	--	40' flat trawl
163	31 11'	79 55'	11-1-56	0504-0605	30	--	--	--	--	40' flat trawl
164	32 12'	79 07'	11-1-56	1408-1510	50	--	--	--	--	40' flat trawl
165	32 16 ⁴	79 05'	11-1-56	1548-1714	40	--	--	--	--	40' flat trawl
166	32 22 ⁴	79 06'	11-1-56	1812-1914	25	--	--	--	--	40' flat trawl
167	32 26 ⁴	79 03'	11-1-56	--	23	--	--	--	--	40' flat trawl
168	32 32 ⁴	78 58'	11-1-56	2133-2230	20	--	--	--	--	40' flat trawl
169	32 37 ⁴	78 53'	11-1-56	2315-0015	18	--	--	--	--	40' flat trawl
170	35 07'	75 04'	11-11-56	2007-2153	190	--	--	--	--	40' flat trawl
171	34 39'	75 05'	11-13-56	1950-2145	190-210	--	--	--	--	40' flat trawl
172	34 39'	75 10'	11-13-56	2235-0057	195-210	--	--	--	--	40' flat trawl
173	34 53'	73 20'	11-14-56	0130-0330	225	--	--	--	--	40' flat trawl
174	34 45'	75 28'	11-14-56	0440-0636	175	--	--	--	--	40' flat trawl
175	34 07'	76 06'	11-15-56	1727-1827	175	--	--	--	--	40' flat trawl
176	34 02'	76 09'	11-15-56	2030-0130	150	--	--	--	--	40' flat trawl
177	33 57'	76 14'	11-15-56	2350-0130	200	--	--	--	--	40' flat trawl
178	33 51'	76 18'	11-16-56	0255-0457	225	--	--	--	--	40' flat trawl
179	33 45'	76 22'	11-16-56	0611-0815	250	--	--	--	--	40' flat trawl
180	30 39'	70 59'	--	1010-1118	125	--	--	--	--	40' balloon trawl
181	33 35'	76 41'	11-16-56	1305-1505	150	--	--	--	--	40' balloon trawl
182	33 31'	76 58'	11-17-56	1915-2045	210	--	--	--	--	40' balloon trawl
183	33 05'	77 11'	11-17-56	2230-0005	190	--	--	--	--	40' balloon trawl
184	33 60'	77 21'	11-17-56	0300-0435	170	--	--	--	--	10' beam trawl
185	29 55'	80 10'	12-5-56	0100-0400	185	gn.M.	--	--	--	40' flat trawl
186	29 44'	80 09'	12-5-56	0500-0800	220	gn.M.	--	--	--	40' flat trawl
187	29 37'	80 12'	12-5-56	0853-1158	180	gn.M.	--	--	--	40' flat trawl
188	29 31'	80 09'	12-5-56	1300-1600	180	--	--	--	--	40' flat trawl
189	29 24'	80 08'	12-5-56	1648-1655	230	gn.M.	--	--	--	40' flat trawl
190	29 55'	80 11'	1-8-57	1835-0140	180	gn.M.	61	--	--	40' flat trawl
191	29 52'	80 10'	1-8-57	2240-2135	210	gn.M.	--	--	--	40' flat trawl
192	29 50'	80 13'	1-9-57	0250-0550	160	--	61	--	--	40' flat trawl
193	29 47'	80 12'	1-9-57	0700-1000	185-190	gy.M.	--	--	--	40' flat trawl
194	29 41'	80 11'	1-9-57	1100-1410	185	gy.M.	--	--	--	40' flat trawl
195	29 55'	80 11'	1-9-57	1645-1950	185	gy.M.	--	--	--	40' flat trawl
196	29 48'	80 12'	1-9-57	2040-2350	185	gy.M.	--	--	--	40' flat trawl
197	29 44'	80 12'	1-10-57	0100-0410	185	--	70	--	--	40' flat trawl
198	29 50'	80 12'	1-10-57	0610-0915	185	gy.M.	70	--	--	40' flat trawl
199	29 50'	80 10'	1-10-57	1020-1220	230	gn.M.	70	--	--	40' flat trawl
200	30 24'	80 26'	1-10-57	1730-1830	21-22	--	72	--	--	40' flat trawl
201	30 32'	80 19'	1-10-57	1925-2100	23	--	70	--	--	40' flat trawl
202	30 08'	80 49'	1-13-57	2058-2153	17	M.	--	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
203	30° 01'	80° 32'	1-14-57	0010-0110	22	M.	--	--	--	40' flat trawl
204	29° 57'	80° 11'	1-14-57	0300-0110	185	--	66	--	--	40' flat trawl
205	29° 46'	80° 12'	1-14-57	1450-1750	190	gy.M.	--	--	--	40' flat trawl
206	29° 46'	80° 12'	1-14-57	1940-2240	190	--	--	--	--	40' flat trawl
207	29° 39'	80° 12'	1-14-57	2335-0235	190	gy.M.	--	--	--	40' flat trawl
208	29° 31'	80° 10'	1-15-57	0325-0625	190	gy.M.	--	--	--	40' flat trawl
209	29° 20'	80° 05'	1-15-57	0725-1025	210	--	--	--	--	40' flat trawl
210	29° 10'	80° 05'	1-15-57	1205-1505	210	gy.M.	72	--	--	40' flat trawl
211	29° 21'	80° 05'	1-15-57	1650-1950	210	gy.M.	75	--	--	56' flat trawl
212	29° 21'	80° 06'	1-15-57	2140-0040	190	gy.M.	73	--	--	56' flat trawl
213	29° 14'	80° 05'	1-16-57	1325-1635	210	gy.M.	72	--	--	56' flat trawl
214	29° 20'	80° 07'	1-28-57	1042-0145	210	M.	--	74	--	40' flat trawl
215	29° 14'	80° 06'	1-29-57	0300-0607	190	M.	--	--	--	40' flat trawl
216	29° 04'	80° 03'	1-29-57	0708-1010	210	M.	--	--	--	40' flat trawl
217	29° 02'	79° 59'	1-29-57	1107-1407	190	M.	--	--	--	40' flat trawl
218	28° 57'	79° 57'	1-29-57	1508-1810	210	M.	--	78	--	40' flat trawl
219	28° 49'	79° 50'	1-29-57	1907-2210	200	M.G.	--	--	--	40' flat trawl
220	28° 42'	79° 55'	1-29-57	2308-0208	225	M.	74	--	--	40' flat trawl
221	28° 35'	79° 54'	1-30-57	0330-0630	175	M.	72	--	--	40' flat trawl
222	28° 35'	79° 53'	1-30-57	--	195	M.	72	--	--	40' flat trawl
223	28° 21'	79° 48'	1-30-57	1125-1428	250	M.	74	--	--	40' flat trawl
224	28° 13'	79° 48'	1-30-57	1535-1835	235	M.	79	--	--	40' flat trawl
225	28° 04'	79° 50'	1-30-57	--	200	--	73	--	--	40' flat trawl
226	28° 02'	79° 50'	1-31-57	0005-0310	180	M.	72	--	--	40' flat trawl
227	27° 55'	79° 48'	1-31-57	0420-0720	210	M.	72	--	--	40' flat trawl
228	27° 47'	79° 48'	1-51-57	0855-1150	200	M.	74	--	--	40' flat trawl
229	27° 39'	79° 50'	1-51-57	1245-1545	180	M.	72	--	--	40' flat trawl
230	27° 39'	79° 50'	1-51-57	1658-1955	200	M.	72	--	--	40' flat trawl
231	27° 28'	79° 51'	1-51-57	2050-2350	180	M.	70	--	--	40' flat trawl
232	27° 22'	79° 48'	2-1-57	--	210	M.	72	--	--	40' flat trawl
233	27° 17'	79° 49'	2-1-57	0443-0743	200	M.	76	--	--	40' flat trawl
234	27° 12'	79° 52'	2-1-57	0843-1043	180	M.	79	--	--	40' flat trawl
235	27° 27'	78° 58'	2-2-57	1922-2222	180	S.	76	--	--	40' flat trawl
236	27° 29'	78° 58'	2-2-57	2245-2248	200	S.C.	--	--	--	40' flat trawl
237	27° 28'	78° 44'	2-5-57	0120-0420	215	S.Sb.	74	--	--	40' flat trawl
238	27° 30'	78° 52'	2-3-57	0535-0840	230	S.Sb.	74	--	--	40' flat trawl
239	27° 25'	79° 07'	2-3-57	--	250	wh.S.	--	--	--	40' flat trawl
240	27° 27'	79° 15'	2-3-57	1430-1535	210	M.	--	--	--	40' flat trawl
241	29° 18'	80° 04'	2-4-57	0350-0650	210	gy.M.	--	--	--	40' flat trawl
242	29° 10'	80° 03'	2-4-57	0750-1050	210	gy.M.	--	--	--	40' flat trawl
243	29° 05'	80° 00'	2-4-57	--	210	gy.M.	76	--	--	40' flat trawl
244	29° 19'	80° 04'	2-4-57	1802-2103	210	gy.M.	76	--	--	40' flat trawl
245	29° 15'	80° 05'	2-4-57	2227-0130	210	gy.M.	74	--	--	40' flat trawl
246	29° 12'	80° 03'	2-5-57	0250-0550	210	gn.M.	--	69	--	40' flat trawl
247	29° 18'	80° 05'	2-5-57	0742-1045	180	gy.M.	76	--	--	40' flat trawl
248	29° 12'	80° 02'	2-5-57	1148-1450	250	gn.M.	--	--	--	40' flat trawl
249	29° 15'	80° 12'	2-5-57	2008-2310	180	gy.M.	--	--	--	40' flat trawl
250	29° 42'	80° 10'	2-6-57	--	200	gy.M.	--	--	--	40' flat trawl
251	25° 34'	80° 00'	3-1-57	1237-1440	210	gy.M.	--	--	--	40' flat trawl
252	25° 31'	80° 00'	3-1-57	1600-1750	225	--	--	--	--	40' flat trawl
253	25° 35'	80° 00'	3-1-57	1905-1906	210	--	--	--	--	40' flat trawl
254	24° 20'	85° 20'	3-4-57	2315-0200	210	M.	--	--	--	40' flat trawl
255	24° 26'	85° 29'	3-5-57	0259-0600	225	--	--	--	--	40' flat trawl
256	24° 29'	85° 31'	3-5-57	0710-1010	185	--	--	--	--	40' flat trawl
257	24° 22'	85° 22'	3-5-57	1213-1415	190	--	--	--	--	56' flat trawl
258	24° 20'	85° 18'	3-7-57	1151-1451	200	--	--	92	--	56' flat trawl
259	24° 29'	85° 28'	3-7-57	1537-1820	185	--	--	48	--	56' flat trawl
260	24° 33'	85° 39'	3-7-57	1930-1940	210	--	--	--	--	56' flat trawl
261	24° 27'	85° 34'	3-7-57	--	230	--	--	--	--	56' flat trawl
262	24° 25'	85° 22'	3-8-57	--	210	--	--	--	--	56' flat trawl
263	24° 17'	82° 23'	3-10-57	1243-1445	200	--	--	--	--	40' flat trawl
264	24° 16'	82° 27'	3-11-57	--	200	--	75	--	--	40' flat trawl
265	24° 16'	82° 38'	3-11-57	1930-2215	220	--	72	--	--	40' flat trawl
266	24° 16'	82° 45'	3-11-57	2345-0245	205	M.	72	--	--	56' flat trawl
267	24° 11'	82° 30'	3-12-57	0347-0640	190-200	--	--	--	--	56' flat trawl
268	24° 17'	82° 27'	3-12-57	0750-1050	190	--	78	--	--	40' flat trawl
269	24° 17'	82° 27'	3-12-57	1150-1555	190	--	--	--	--	40' flat trawl
270	24° 16'	82° 30'	3-12-57	1645-1820	200	--	--	--	--	100' flat trawl
271	24° 17'	82° 25'	3-12-57	1940-2240	200	S.M.	76	--	--	80' balloon trawl
272	24° 16'	85° 31'	3-13-57	2340-0250	200-210	--	--	--	--	80' balloon trawl
273	24° 17'	82° 39'	3-13-57	0345-0705	200	--	--	--	--	80' balloon trawl
274	24° 17'	82° 23'	3-13-57	0830-1120	200	--	--	--	--	80' balloon trawl
275	24° 17'	82° 27'	3-13-57	1235-1535	190	--	--	57	--	80' balloon trawl
276	24° 16'	82° 26'	3-13-57	1740-2045	210	S.M.	76	--	--	80' balloon trawl
277	24° 16'	82° 25'	3-14-57	2320-0205	200-210	--	--	--	--	55' flat trawl
278	24° 17'	82° 22'	3-14-57	0300-0600	200	--	--	--	--	55' flat trawl
279	24° 16'	82° 34'	3-14-57	1050-1205	210	--	80	--	--	55' flat trawl
281	24° 17'	82° 47'	3-14-57	1445-1745	215	--	--	--	--	55' flat trawl
282	24° 18'	82° 57'	3-14-57	1845-2120	210	--	--	--	--	55' flat trawl
283	32° 56'	78° 06'	4-19-57	1335-1435	50	--	79	--	--	10' beam trawl
284	32° 49'	77° 56'	4-19-57	1610-1710	125	--	79	--	--	10' beam trawl
285	32° 51'	77° 31'	4-19-57	1955-2055	170	--	71	--	--	10' beam trawl
286	32° 54'	77° 27'	4-19-57	2300-0010	170-175	--	72	--	--	40' flat trawl
287	33° 58'	77° 20'	4-20-57	--	175	--	73	--	--	Drift net
288	33° 03'	77° 09'	4-20-57	0335-0535	200	--	--	--	--	40' flat trawl
289	33° 03'	77° 09'	4-20-57	0638-0838	200	--	--	--	--	40' flat trawl
290	33° 05'	76° 55'	4-20-57	1038-1238	200	--	72	--	46	40' flat trawl
291	33° 23'	76° 45'	4-20-57	1442-1648	210	--	--	46	--	40' flat trawl
292	33° 09'	76° 51'	4-20-57	2015-2215	225	--	70	--	--	40' flat trawl
293	32° 58'	77° 10'	4-21-57	0110-0310	225	--	68	--	--	40' flat trawl
294	32° 54'	77° 17'	4-21-57	--	210	--	72	--	--	40' flat trawl
295	32° 50'	77° 27'	4-21-57	0910-1125	200	--	80	--	46	40' flat trawl
296	32° 40'	77° 40'	4-21-57	1340-1435	220	S.	--	--	--	40' flat trawl
297	32° 27'	78° 06'	4-21-57	1743-1908	190	--	77	--	--	10' beam trawl
298	32° 20'	78° 12'	4-21-57	2118-2218	190	--	--	--	--	40' flat trawl
299	32° 22'	78° 14'	4-21-57	--	250	--	--	--	--	40' flat trawl
300	32° 15'	78° 51'	4-22-57	0755-0905	190	--	75	--	46	40' flat trawl
301	32° 15'	78° 49'	4-22-57	1045-1050	215	S.gn.M.	80	--	--	40' flat trawl
302	32° 10'	78° 56'	4-22-57	1302-1502	210	S.	84	--	46	40' flat trawl
303	31° 58'	79° 08'	4-22-57	1750-1950	200	S.	76	--	47	40' flat trawl
304	31° 50'	79° 14'	4-22-57	2155-2450	180	--	--	--	--	40' flat trawl
305	31° 43'	79° 19'	4-23-57	0155-0355	210	gn.M.S.	--	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bottom	
Fathoms										
306	31°31'	79°27'	4-23-57	0535-0747	220	--	78	--	47	40' flat trawl
307	31°15'	79°41'	4-23-57	1150-1225	180	--	79	--	--	40' flat trawl
308	31°04'	79°42'	4-23-57	1517-1603	200	--	76	--	--	40' flat trawl
309	30°53'	79°48'	4-23-57	1943-2143	210	--	74	--	48	40' flat trawl
310	30°40'	79°57'	4-24-57	0010-0300	210	--	--	--	--	40' flat trawl
311	30°21'	80°06'	4-24-57	0700-0750	185	--	76	--	48	40' flat trawl
312	30°13'	80°05'	4-26-57	2045-2245	220	gy.M.	71	--	48	40' flat trawl
313	29°52'	80°08'	4-27-57	--	200	gy.M.	--	--	--	56' flat trawl
314	29°38'	80°11'	4-27-57	0501-0800	180	gy.M.	76	--	--	56' flat trawl
315	29°26'	80°08'	4-27-57	0910-1210	210	gy.M.	76	--	--	56' flat trawl
316	29°25'	80°04'	4-27-57	1435-1635	215	gy.M.	--	--	--	56' flat trawl
317	29°07'	80°04'	4-27-57	1840-2140	200	gy.M.	71	--	--	56' flat trawl
318	28°47'	79°55'	4-28-57	0120-0320	210	gy.M.	--	--	--	56' flat trawl
319	28°31'	79°52'	4-28-57	0610-0810	180	gy.M.	82	--	43	56' flat trawl
320	28°17'	80°08'	4-28-57	1350-1345	25	--	76	--	--	56' flat trawl
321	28°09'	80°41'	4-30-57	--	13	--	82	--	--	40' flat trawl
322	29°57'	80°11'	4-30-57	2010-2310	190	gy.M.	78	--	--	56' flat trawl
323	29°52'	80°13'	4-30-57	0050-0350	175	gy.M.	--	--	--	56' flat trawl
324	29°41'	80°11'	5-30-57	0625-0925	210	gy.M.	--	--	--	56' flat trawl
325	28°33'	80°10'	5-30-57	1035-1335	200	gy.M.	--	--	--	56' flat trawl
326	28°28'	80°09'	5-30-57	1515-1815	200	gy.M.	--	--	--	56' flat trawl
327	28°22'	80°06'	5-30-57	1310-2210	200	gy.M.	78	--	--	40' flat trawl
328	29°16'	80°04'	5-30-57	--	--	--	--	--	--	Dip station
329	29°15'	80°05'	5-31-57	0425-0735	210	gy.M.	--	--	--	40' flat trawl
330	29°08'	80°03'	5-31-57	0855-1135	190	gy.M.	83	--	--	40' flat trawl
331	29°01'	79°59'	5-31-57	1330-1630	225	G.M.	82	--	--	40' flat trawl
332	28°55'	79°56'	5-31-57	1735-2035	180	G.M.	78	--	--	40' flat trawl
333	28°58'	80°13'	6-1-57	0003-0135	30	--	77	--	--	40' flat trawl
334	29°15'	80°13'	6-1-57	0200-0245	30	Sh.S.	--	--	--	40' flat trawl
335	29°03'	80°13'	6-1-57	0303-0433	28	--	--	--	--	40' flat trawl
336	29°10'	80°13'	6-1-57	0540-0632	25	Sh.	78	--	--	40' flat trawl
337	29°19'	80°15'	6-1-57	1335-1435	35	--	--	--	--	10' beam trawl
338	29°15'	80°16'	6-1-57	1500-1600	30	S.	--	--	--	10' beam trawl
339	29°15'	80°18'	6-1-57	1710-1810	25	S.Sh.	--	--	--	10' beam trawl
340	29°15'	80°18'	6-1-57	1710-1810	25	S.Sh.	--	--	--	40' flat trawl
341	29°10'	80°20'	6-1-57	1845-2048	22	--	72	--	--	40' flat trawl
342	29°18'	80°17'	6-1-57	2133-2240	28	S.Sh.	72	--	--	40' flat trawl
343	29°19'	80°18'	6-1-57	--	--	--	72	--	--	Dip station
344	29°32'	80°15'	6-2-57	0133-0233	32	S.	--	--	--	40' flat trawl
345	29°20'	80°15'	6-2-57	0304-0405	35	--	68	--	--	40' flat trawl
346	29°26'	80°16'	6-2-57	0430-0530	38	S.	--	--	--	40' flat trawl
347	29°31'	80°31'	6-2-57	1846-2046	18	S.Sh.	78	--	--	40' flat trawl
348	29°32'	80°25'	6-2-57	2115-2215	22	S.Sh.	76	--	--	40' flat trawl
349	29°34'	80°23'	6-2-57	2255-2355	25	S.Sh.	76	--	--	40' flat trawl
350	29°27'	80°20'	6-3-57	0045-0135	30	S.Co.Sh.	--	--	--	40' flat trawl
351	29°36'	80°23'	6-3-57	0205-0305	28	--	78	--	--	40' flat trawl
352	29°47'	80°27'	6-3-57	0345-0405	24	--	78	--	--	40' flat trawl
353	30°24'	80°20'	6-3-57	1345-2043	24	S.Sh.	78	--	--	40' flat trawl
354	30°25'	80°26'	6-3-57	2107-2205	27	S.Sh.	78	--	--	40' flat trawl
355	30°25'	80°51'	6-3-57	--	20	--	77	--	--	Dip station
356	32°31'	76°35'	6-14-57	0220-0420	200	--	--	--	--	40' flat trawl
357	32°43'	76°20'	6-14-57	0603-0810	180	--	80	--	54	40' flat trawl
358	32°53'	76°09'	6-14-57	0918-1115	210-225	gy.M.	82	--	--	40' flat trawl
359	34°35'	75°37'	6-14-57	1530-1650	210	--	83	--	--	40' flat trawl
360	34°27'	75°43'	6-14-57	--	180	gy.M.	80	--	--	40' flat trawl
361	34°22'	75°46'	6-14-57	2105-2213	210	gy.M.	83	--	--	40' flat trawl
362	34°18'	75°51'	6-14-57	2320-0210	220	gy.M.	81	--	--	40' flat trawl
363	34°14'	75°57'	6-15-57	0255-0455	180	gy.M.	73	--	--	40' flat trawl
364	34°10'	75°53'	6-15-57	0545-0745	210	gy.M.	82	--	54	40' flat trawl
365	35°05'	75°06'	6-15-57	1515-1715	200	gy.M.	82	--	--	40' flat trawl
366	35°01'	75°13'	6-15-57	1840-2040	180	gy.M. & S.	82	--	--	40' flat trawl
367	34°56'	75°18'	6-15-57	2205-0005	230	gy.M.	80	--	--	40' flat trawl
368	34°15'	75°23'	6-16-57	0105-0125	180	M.	81	--	--	40' flat trawl
369	34°41'	75°31'	6-16-57	0350-0550	200	--	86	--	--	40' flat trawl
370	35°05'	75°08'	6-16-57	1031-1207	100	--	88	--	56	40' flat trawl
371	35°07'	75°13'	6-16-57	1405-1505	50	--	90	--	68	40' flat trawl
372	35°07'	75°14'	6-16-57	1540-1640	45	--	90	--	--	40' flat trawl
373	35°05'	75°17'	6-16-57	1705-1805	40	S.	--	--	--	40' flat trawl
374	35°07'	75°15'	6-16-57	1938-2038	35	S.	--	--	--	40' flat trawl
375	35°06'	75°18'	6-16-57	2055-2155	30	S.	80	--	--	40' flat trawl
376	35°08'	75°15'	6-16-57	2222-2322	25	S.	80	--	70	40' flat trawl
377	35°00'	75°30'	6-17-57	0140-0240	25	S.	78	--	--	40' flat trawl
378	34°58'	75°32'	6-17-57	0305-0402	30	S.	--	--	--	40' flat trawl
379	34°53'	75°20'	6-17-57	0430-0530	35	S.	80	--	--	40' flat trawl
380	34°57'	75°27'	6-17-57	0610-0710	40	S.	82	--	--	40' flat trawl
381	34°58'	75°23'	6-17-57	0738-0840	45	S.	85	--	--	40' flat trawl
382	34°57'	75°23'	6-17-57	--	50	S.	96	--	--	40' flat trawl
383	34°56'	75°20'	6-17-57	1142-1252	60	S.B.	90	--	--	40' flat trawl
384	34°54'	75°25'	6-17-57	1335-1435	75	C.S.	89	--	--	40' flat trawl
385	34°46'	75°37'	6-17-57	1730-1850	50	--	89	--	72	40' flat trawl
386	34°45'	75°38'	6-17-57	--	45	--	80	--	--	40' flat trawl
387	34°45'	75°38'	6-17-57	--	40	--	78	--	--	40' flat trawl
388	34°47'	75°33'	6-17-57	2228-2330	35	S.G.	78	--	--	40' flat trawl
389	34°36'	75°33'	6-18-57	0025-0125	30	S.	--	--	--	40' flat trawl
390	34°33'	75°46'	6-20-57	--	50	brd.Co.	82	--	--	40' flat trawl
391	34°34'	75°50'	6-20-57	1528-1628	35	--	82	--	--	40' flat trawl
392	34°36'	75°46'	6-20-57	1703-1805	30	brd.Sh.	80	--	--	40' flat trawl
393	34°37'	75°52'	6-20-57	1839-1938	25	S.	78	--	--	40' flat trawl
394	34°32'	76°02'	6-20-57	2133-2233	25	S.	80	--	--	40' flat trawl
395	34°29'	76°01'	6-20/21-57	2518-0018	30	S.	75	--	--	40' flat trawl
396	34°31'	75°65'	6-21-57	0108-0204	35	S.	79	--	--	40' flat trawl
397	34°26'	75°55'	6-21-57	0230-0330	40	S.	78	--	--	40' flat trawl
398	34°24'	75°50'	6-21-57	0357-0500	45	S.B.	78	--	--	40' flat trawl
399	34°26'	75°52'	6-21-57	0524-0625	50	S.B.	78	--	--	40' flat trawl
400	34°23'	75°54'	6-21-57	0656-0711	60	S.	78	--	--	40' flat trawl
401	34°22'	75°53'	6-21-57	0744-0914	75	S.	83	--	--	40' flat trawl
402	34°19'	75°54'	6-21-57	--	100	S.	80	--	--	40' flat trawl
403	34°16'	75°58'	6-21-57	1258-1428	100	S.	81	--	57	40' flat trawl
404	34°15'	76°01'	6-21-57	1520-1650	75	S.	81	--	--	40' flat trawl
405	34°16'	75°58'	6-21-57	1735-1905	75	S.	78	--	--	40' flat trawl
406	34°17'	76°01'	6-21-57	2005-2105	45	--	78	--	--	40' flat trawl
407	34°22'	76°00'	6-21-57	2231-2331	35	S.B.	75	--	--	40' flat trawl
408	34°23'	76°03'	6-22-57	0015-0115	30	S.B.	79	--	--	40' flat trawl
409	34°22'	76°06'	6-22-57	0150-0250	25	S.	79	--	74	40' flat trawl
410	34°26'	75°42'	6-22-57	0610-0810	200	gy.M.	88	--	--	56' flat trawl
411	34°24'	75°44'	6-22-57	0906-1105	215	gy.M.	88	--	--	56' flat trawl
412	34°26'	75°42'	6-22-57	1255-1455	215	gy.M.	80	--	--	55' flat trawl
413	34°24'	75°45'	6-22-57	1700-1905	215	gy.M.	82	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					° F.	° F.	° F.	
414	34°21'	75°47'	6-22-57	2028-2055	225	--	82	--	--	40' flat trawl
415	34°17'	75°50'	6-22-57	2236-2255	220	gn.M.	80	--	--	40' flat trawl
416	34°16'	75°52'	6-22-57	0120-0220	215	--	78	--	--	40' flat trawl
417	34°08'	75°58'	6-23-57	0440-0640	225	gn.M.	81	--	46	40' flat trawl
418	34°04'	75°58'	6-23-57	0751-0951	225	gn.M.	84	--	--	40' flat trawl
419	34°01'	76°05'	6-23-57	1129-1329	220	gn.M.	81	--	--	40' flat trawl
420	33°58'	76°11'	6-23-57	1444-1652	215	gn.M.	87	--	--	40' flat trawl
421	33°43'	76°23'	6-23-57	1844-2044	220	gn.M.	87	--	48	40' flat trawl
422	33°32'	76°33'	6-23/24-57	2240-0044	220	gn.M.	80	--	--	40' flat trawl
423	33°25'	76°40'	6-24-57	0250-0450	220	gn.M.	80	--	--	40' flat trawl
424	32°34'	76°48'	6-24-57	1939-2255	24	S.	78	--	--	55' flat trawl
425	32°32'	76°55'	6-24-57	2128-2230	21	S.	82	--	--	55' flat trawl
426	32°27'	76°54'	6-24-57	2303-2340	24-38	S.Sh.	--	--	--	55' flat trawl
427	32°32'	75°01'	6-25-57	0043-0143	35	S.	80	--	--	55' flat trawl
428	32°17'	75°10'	6-25-57	0235-0335	28-24	S.Sh.	--	--	--	55' flat trawl
429	32°14'	75°16'	6-25-57	0417-0517	23	S.Sh.	--	--	--	55' flat trawl
430	29°58'	80°10'	7-17-57	1730-1930	190	gn.M.	86	--	41	55' flat trawl
431	29°57'	80°08'	7-17-57	2038-2238	210	gn.M.	82	--	--	55' flat trawl
432	29°52'	80°13'	7-17-57	2355-0235	180	gn.M.	80	--	--	55' flat trawl
433	29°56'	80°12'	6-18-57	0355-0700	180	gn.M.	--	--	--	40' flat trawl
434	29°52'	80°10'	7-18-57	0805-1105	190	gn.M.	84	--	--	40' flat trawl
435	29°46'	80°12'	7-18-57	1215-1515	200	gn.M.	--	--	--	40' flat trawl
436	24°13'	81°42'	7-21-57	1529-1530	300	--	87	--	42	40' flat trawl
437	24°13'	81°41'	7-21-57	1747-1810	250	Co.	--	--	--	40' flat trawl
438	25°10'	80°02'	7-22-57	0645-0845	200	--	85	--	46	40' flat trawl
439	25°03'	80°01'	7-22-57	1005-1205	225	--	85	--	45	40' flat trawl
440	25°04'	80°02'	7-22-57	1353-1553	180	--	89	--	--	40' flat trawl
441	25°16'	80°00'	7-22-57	1840-1940	185	--	--	--	48	40' flat trawl
442	25°15'	80°01'	7-22-57	2134-2234	160	--	--	--	48	40' flat trawl
443	25°11'	79°56'	7-22-57	--	300	--	--	--	--	Drift net
444	25°11'	79°55'	7-23-57	0127-0327	300	--	85	--	--	40' flat trawl
445	25°15'	79°13'	7-23-57	1958-2058	200	Ca.M.	--	--	63	40' flat trawl
446	25°10'	79°13'	7-23-57	--	250	--	--	--	--	40' flat trawl
447	25°07'	79°15'	7-23-57	0235-0435	300	Co.B.	--	--	54	40' flat trawl
448	24°04'	79°15'	7-24-57	1228-1428	250	--	94	--	82	40' flat trawl
449	24°05'	79°46'	7-24-57	1912-2112	350	wh.M.	86	--	--	10' beam trawl
450	25°59'	79°43'	7-24-57	2330-0130	350	--	--	--	--	10' beam trawl
451	24°12'	80°01'	7-25-57	2120-2230	250	--	--	--	--	10' beam trawl
452	24°35'	79°58'	7-25-57	1501-1801	565	--	--	--	--	10' beam trawl
453	25°12'	80°00'	7-25/26-57	2350-0250	185	M.	82	--	50	65' flat net
454	25°13'	80°10'	7-26-57	0512-0535	85	--	--	--	--	40' flat trawl
455	25°13'	80°10'	7-26-57	0618-0720	40-50	Co.	--	--	--	40' flat trawl
456	25°18'	80°07'	7-26-57	0847-0947	65	--	--	--	--	40' flat trawl
457	25°16'	80°07'	7-26-57	1028-1128	65	--	86	--	--	40' flat trawl
458	26°37'	79°51'	7-28-57	1118-1318	180	--	--	--	--	40' flat trawl
459	26°47'	79°53'	7-28-57	1515-1715	220	--	--	--	--	40' flat trawl
460	27°08'	79°51'	7-28-57	2107-2307	200	gn.M.	82	--	--	40' flat trawl
461	27°11'	79°52'	7-29-57	0040-0340	190	gn.M.	--	--	--	40' flat trawl
462	27°14'	79°50'	7-29-57	0537-0837	210	--	82	--	48	40' flat trawl
463	27°22'	79°50'	7-29-57	1055-1255	220	gn.M.	78	--	--	40' flat trawl
464	27°51'	79°50'	7-29-57	1639-1839	215	--	83	--	--	40' flat trawl
465	28°30'	79°52'	7-29, 30-57	2307-0107	200	gn.M.	80	--	--	40' flat trawl
466	28°25'	79°53'	7-30-57	0200-0400	200	gn.M.	--	--	--	40' flat trawl
467	28°36'	79°54'	7-30-57	0615-0815	220	gn.M.	82	--	52	40' flat trawl
468	28°34'	79°52'	7-30-57	0950-1250	240	gn.M.	83	--	--	40' flat trawl
469	29°07'	80°01'	7-30-57	1717-1930	200	gn.M.	82	--	--	40' flat trawl
470	29°06'	80°00'	7-30-57	2057-2237	220	gn.M.	80	--	--	40' flat trawl
471	29°57'	80°12'	8-13-57	2050-2255	180	gn.M.	82	--	--	40' flat trawl
472	29°52'	80°10'	8-14-57	0005-0205	210	gn.M.	87	--	--	40' flat trawl
473	29°48'	80°12'	8-14-57	0325-0630	210	gn.M.	87	--	--	40' flat trawl
474	29°38'	80°12'	8-14-57	0745-1055	200	gn.M.	87	--	44	40' flat trawl
475	29°30'	80°10'	8-14-57	1222-1522	160	gn.M.	88	--	46	40' flat trawl
476	29°19'	80°06'	8-14-57	1640-1935	230	gn.M.	87	--	--	40' flat trawl
477	29°30'	80°09'	8-16-57	2105-0005	210	gn.M.	82	--	--	40' flat trawl
478	29°22'	80°06'	8-17-57	0150-0430	210	gn.M.	85	--	--	40' flat trawl
479	29°22'	80°06'	8-17-57	0722-1020	200	gn.M.	84	--	--	65' flat trawl
480	29°30'	80°08'	8-17-57	1207-1507	210	gn.M.	88	--	46	85' flat trawl
481	29°28'	80°08'	8-17-57	1700-2000	200	gn.M.	84	--	--	65' flat trawl
482	29°28'	80°08'	8-17-57	2152-0052	190	gn.M.	--	--	--	65' flat trawl
483	29°30'	80°09'	8-18-57	0307-0607	190	gn.M.	82	--	--	65' flat trawl
484	29°30'	80°09'	8-18-57	0807-1107	180	gn.M.	81	--	--	65' flat trawl
485	29°29'	80°09'	8-18-57	1355-1655	200	gn.M.	90	--	--	65' flat trawl
486	29°29'	80°08'	8-18-57	--	210	gn.M.	--	--	--	65' flat trawl
487	29°30'	80°09'	8-19-57	0105-0505	200	gn.M.	84	--	--	65' flat trawl
488	29°30'	80°15'	8-19-57	0753-1000	50	G.S.	--	--	64	40' flat trawl
489	29°30'	80°11'	8-19-57	1115-1315	75	S.Sh.	84	--	--	40' flat trawl
490	29°29'	80°10'	8-19-57	1425-1625	100	S.Sh.	86	--	--	40' flat trawl
491	29°30'	80°10'	8-19-57	1750-1955	125	--	87	--	--	40' flat trawl
492	29°26'	80°08'	8-19-57	--	150	--	--	--	--	Dip Station
493	29°30'	80°09'	8-19-57	2203-0003	150	--	--	--	--	40' flat trawl
494	29°30'	80°08'	8-20-57	0200-0400	175	gn.M.	--	--	--	40' flat trawl
495	29°30'	80°08'	8-20-57	0545-0745	200	gn.M.	--	--	--	40' flat trawl
496	30°16'	80°21'	8-20-57	1806-1936	25	G.S.Sh.	--	--	--	40' flat trawl
497	30°13'	80°23'	8-20-57	1950-2050	25	S.Sh.	84	--	--	40' flat trawl
498	30°15'	80°31'	8-20-57	2158-2258	20	S.Sh.	--	--	--	40' flat trawl
499	30°01'	80°09'	9-11-57	2150-0150	200	gn.M.	82	--	--	65' flat trawl
500	29°49'	80°10'	9-12-57	0245-0645	210	gn.M.	82	--	--	65' flat trawl
501	29°36'	80°09'	9-12-57	0740-1140	210	gn.M.	86	--	--	65' flat trawl
502	29°25'	80°07'	9-12-57	1240-1540	180	gn.M.	88	--	--	65' flat trawl
503	29°29'	80°09'	9-12-57	1725-2030	210	gn.M.	82	--	--	65' flat trawl
504	30°24'	80°22'	10-2-57	1242-1342	6-8	M.	--	--	--	40' flat trawl
505	30°54'	80°33'	10-2-57	1928-2028	17	--	79	--	--	40' flat trawl
506	31°15'	80°20'	10-2-57	2302-0002	17	Sh.J.	--	--	--	40' flat trawl
507	31°24'	80°12'	10-3-57	0138-0242	20	S.Sh.	--	--	--	40' flat trawl
508	31°29'	79°53'	10-3-57	0436-0536	22-24	S.Sh.	--	--	--	40' flat trawl
509	31°32'	79°44'	10-3-57	--	35	--	--	--	--	40' flat trawl
510	31°35'	79°38'	10-3-57	0813-1015	50	--	--	--	--	40' flat trawl
511	31°36'	79°38'	10-3-57	1234-1434	50	--	81	--	--	40' flat trawl
512	31°29'	79°33'	10-3-57	1542-1742	60	--	--	--	--	40' flat trawl
513	32°05'	79°37'	10-7-57	1755-1855	20	S.Sh.	--	--	78	40' flat trawl
514	32°05'	79°40'	10-7-57	1923-2023	22-25	S.Sh.	--	--	--	40' flat trawl

Table 2--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					° F.	° F.	° F.	
515	32°01'	79°36'	10-7-57	2045-2145	25-27	--	--	--	--	40' flat trawl
516	31°55'	79°33'	10-7-57	2205-2303	27-32	S.Sh.	--	--	--	40' flat trawl
517	31°55'	79°33'	10-7-57	2341-0041	32-38	S.Sh.	--	--	--	40' flat trawl
518	31°51'	79°35'	10-8-57	0105-0205	38-43	--	--	--	--	40' flat trawl
519	31°43'	79°31'	10-8-57	0223-0328	45	S.Sh.	--	--	--	40' flat trawl
520	31°41'	79°40'	10-8-57	1253-1353	33-40	S.Sh.	--	--	--	40' flat trawl
521	31°44'	79°42.5'	10-8-57	1415-1515	33-35	--	--	--	--	40' flat trawl
522	31°47'	79°42'	10-8-57	1535-1635	30	S.Sh.	--	--	--	40' flat trawl
523	31°50'	79°46'	10-8-57	1659-1759	26	S.Sh.	--	--	--	40' flat trawl
524	31°45'	79°45'	10-8-57	1933-2033	27-31	S.Sh.	73	--	--	40' flat trawl
525	31°43'	79°42'	10-8-57	2053-2153	32-33	S.Sh.	--	--	--	40' flat trawl
526	31°58'	79°40'	10-8-57	2235-2335	41-45	S.Sh.	--	--	--	40' flat trawl
527	31°27'	79°42'	10-9-57	0848-1048	75	--	--	--	--	--
528	31°18.5'	79°45.5'	10-9-57	1245-1445	100	--	--	--	--	40' flat trawl
529	31°12'	79°52'	10-9-57	1530-1700	50	S.Sh.	--	--	--	40' flat trawl
530	31°06'	79°53'	10-9-57	1734-1935	80	--	--	--	--	40' flat trawl

Table 3.--M/V Pelican station list

M/V PELICAN STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1	30°26'	81°23'	3-2-56	1205-1240	5-6	gy.M.	70.5	61.8	--	10' beam trawl
2	30°26'	81°23'	3-2-56	1305-1405	5	gy.M.vb.S.	70.5	61.8	--	10' beam trawl
3	29°18'	80°01'	3-5-56	1758-1820	8	wh.S.	70.2	66.5	--	40' flat trawl
4	27°42'	80°55'	3-6-56	1105-1152	80-100	M.S.	83.0	76	--	40' flat trawl
5	27°47'	79°48'	3-6-56	1215-1318	117	M.S.	77	76	--	40' flat trawl
6	27°41'	79°55'	3-6-56	1457-1556	83	M.S.	77	76	--	40' flat trawl
7	27°54'	80°00'	3-6-56	--	35	M.S.	--	--	--	40' flat trawl
8	27°59'	80°05'	3-6-56	1850-1953	22	S.Sh.	73	72.5	--	40' flat trawl
9	27°35'	79°49'	3-7-56	1059-1300	190-200	M.S.	78	77	--	40' flat trawl
10	27°36'	79°48'	3-11-56	0702-0935	180-200	gy.M.	76	77	--	40' semi-balloon trawl
11	27°52'	79°45'	3-11-56	1036-1305	235	vB.M.	73	78	--	40' semi-balloon trawl
12	28°15'	79°48'	3-11-56	1426-1635	215	bu.M.	84	78	--	10' beam trawl
13	28°22'	79°53'	3-11-56	1726-1910	180	bu.M.	75	77	--	10' beam trawl
14	28°07'	80°06'	3-23-56	1246-1317	22	S.Sh.	77	68	--	80' balloon trawl
15	26°31'	80°01'	3-25-56	0526-0625	30-35	Co.Spg.	61	70.8	--	40' flat trawl
16	26°12'	80°02'	3-25-56	0947-1045	75-85	S.co.	68	73	--	40' flat trawl
17	26°18'	79°51'	3-29-56	0035-0300	144-200	gy.M.	72	75	--	40' flat trawl
18	26°51'	79°46'	3-29-56	0417-0817	235	gy.S.	71	74	54	40' flat trawl
19	26°50'	79°44'	3-29-56	--	200	--	--	--	--	40' flat trawl
20	28°17'	79°48'	4-5-56	1111-1525	180	bu.M.	81	78	--	80' balloon trawl
21	28°06'	80°05'	4-8-56	1320-1418	26-22	gy.S.	72.5	71.8	--	40' flat trawl
22	28°07'	80°06'	4-8-56	1432-1533	21	gy.S.	72	72	--	40' flat trawl
23	28°04'	80°09'	4-8-56	1545-1640	21	gy.S.	72	72	--	40' flat trawl
24	27°57'	80°04'	4-8-56	1753-1911	22-23	S.Sh.	68	72	--	40' flat trawl
25	28°03'	79°52'	4-8-56	2120-0118	150-175	bu.M.	72	76	--	40' flat trawl
26	28°17'	79°50'	4-9-56	0150-0600	180-200	bu.M.	70.2	76	--	40' flat trawl
27	28°28'	79°43'	4-9-56	0645-1040	200-212	gy.M.	72	76	--	40' flat trawl
28	28°46'	79°56'	4-9-56	1217-1635	150-156	gy.M.	72	76	--	40' flat trawl
29	29°01'	79°58'	4-9-56	1708-2120	165-212	gy.M.	72.5	76	--	40' flat trawl
30	29°20'	80°05'	4-9-56	2250-0305	200-207	gy.M.	70	76	--	40' flat trawl
31	29°36'	80°06'	4-10-56	0348-0800	210-180	gy.M.	67.5	76	--	40' flat trawl
32	50°11'	80°02'	4-23-56	1918-1958	13	S.Sh.	68	68	--	40' flat trawl
33	50°13'	80°41'	4-23-56	2231-2327	15-16	Sh.S.	68	68	--	40' flat trawl
34	29°53'	80°11'	4-24-56	0930-1223	145-164	gy.S.M.Sb.	82	76	--	40' flat trawl
35	50°10'	80°09'	4-24-56	1548-1700	147-158	Grs.S.Co.	76	76	--	40' flat trawl
36	50°16'	80°09'	4-24-56	1815-1937	150-142	gy.S.	74	76	--	40' flat trawl
37	50°25'	80°04'	4-24-56	2031-2300	170-150	gy.M.Co.	72	76	--	40' flat trawl
38	51°40'	79°15'	4-25-56	0800-0918	182-250	--	66	76	--	40' flat trawl
39	51°55'	80°18'	4-27-56	1111-1221	12-14	gy.S.	72	67	--	40' flat trawl
40	51°54'	79°09'	4-27-56	1919-2115	1-6-230	RK.	74	76	--	40' flat trawl
41	29°56'	80°09'	5-1-56	1705-2006	188-185	gy.M.	84	78	--	40' flat trawl
42	30°02'	80°05'	5-1-56	2052-2355	205	gy.M.	75	78	--	40' flat trawl
43	30°03'	80°03'	5-2-56	0053-0558	223-242	RK.	72	78	--	40' flat trawl
44	29°57'	80°10'	5-2-56	0850-1143	173-170	gy.M.	79	78	--	40' flat trawl
45	30°02'	80°03'	5-2-56	1557-1700	178-173	gy.M.	73	78	--	40' flat trawl
46	29°54'	80°10'	5-2-56	1736-2130	173-180	gy.M.	76	78	--	40' flat trawl
47	29°44'	80°10'	5-11-56	1834-2138	180	gy.M.	75	73.8	--	86' flat trawl
48	29°52'	80°11'	5-11-56	2210-0212	180	gy.M.	74	74	--	86' flat trawl
49	30°02'	80°06'	5-12-56	0504-0801	175	gy.M.	75	74	--	86' flat trawl
50	29°53'	80°09'	5-12-56	--	190-202	gy.M.	80	81	--	86' flat trawl
51	29°48'	80°03'	5-12-56	1313-1800	190-202	gy.M.	78	81	--	86' flat trawl
52	29°48'	80°12'	5-15-56	--	162	gy.M.	78	81	--	86' flat trawl
53	29°48'	80°12'	5-22-56	0311-0613	160	gy.M.	77	80	--	60' flat trawl
54	29°47'	80°11'	6-8-56	1730-2010	155-172	gy.M.	84	81	--	60' flat trawl
55	29°58'	80°11'	6-8-56	--	160	--	--	--	--	60' flat trawl
56	29°55'	80°12'	6-10-56	0555-0647	153-145	gy.M.	79	82	--	40' flat trawl
57	29°59'	80°07'	6-10-56	0745-0904	165-168	gy.M.	83	82	--	40' flat trawl
58	29°59'	80°10'	6-10-56	0930-1330	162-167	gy.M.	84	82	--	40' flat trawl
59	29°54'	80°10'	6-10-56	1400-1645	162-165	gy.M.	91	82	--	40' flat trawl
60	28°23'	79°54'	6-11-56	1040-1508	160-190	gy.M.	92	82	--	40' flat trawl
61	28°42'	79°56'	6-11-56	1605-1900	155-150	gy.M.	84	82	--	40' flat trawl
62	28°53'	79°57'	6-11-56	2022-0027	173-197	gy.M.	81	82	--	40' flat trawl
63	29°11'	80°03'	6-12-56	0243-0725	175-250	gy.M.	80	82	--	40' flat trawl
64	29°23'	80°08'	6-12-56	0818-1315	175-212	gy.M.	82	82	--	40' flat trawl
65	29°57'	80°11'	6-12-56	1401-1808	175-130	gy.M.	84	82	--	40' flat trawl
66	28°53'	79°52'	6-13-56	1222-1708	195-203	gy.M.	83	82	--	40' flat trawl
67	28°48'	79°53'	6-13-56	1750-2255	212-213	gy.M.	82	82	--	40' flat trawl
68	29°03'	79°59'	6-13-56	2350-0505	175	gy.M.	78	82	--	40' flat trawl
69	29°14'	80°04'	6-14-56	0543-1043	174-193	gy.M.	79.2	82	--	40' flat trawl
70	29°32'	80°08'	6-14-56	1116-1432	190-150	gy.M.	84	82	--	40' flat trawl
71	29°42'	80°11'	6-14-56	1514-1902	208-175	gy.M.	84	82	--	40' flat trawl
72	32°25'	78°39'	6-21-56	1824-2018	167-173	--	82	79.5	--	40' flat trawl
73	32°52'	77°24'	6-22-56	0510-0904	190-202	S.	78	78	--	40' flat trawl
74	33°08'	76°58'	6-23-56	1531-1716	230-252	--	85	81	--	40' flat trawl
75	33°12'	76°50'	6-23-56	--	225-202	--	80	81	--	40' flat trawl
76	29°28'	80°08'	6-27-56	0137-0230	225-245	gy.M.	79	81	--	40' flat trawl
77	29°51'	80°03'	6-27-56	0320-0730	180-225	gy.M.	79	81	--	40' flat trawl
78	29°44'	80°10'	6-27-56	0817-1320	177	gy.M.	80	81	--	40' flat trawl
79	29°41'	80°11'	6-27-56	--	205	gy.M.	83	81	--	40' flat trawl

Table 4.--M/V Silver Bay station list

M/V SILVER BAY STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
			Fathoms				° F.	° F.	° F.	
1	28° 41'	88° 03'	6-13-57	--	17-20	M.	83	82	--	60' fish trawl
2	29° 41'	88° 05'	6-13-57	--	18	M.	--	--	--	Dip net
3	28° 18'	90° 18'	6-24-57	0600-0730	35-28	M.	--	--	--	60' roller net
4	28° 15'	90° 55'	6-24-57	1235-1320	50-56-47	M.C.	82	80	--	60' roller net
5	28° 30'	82° 41'	6-25-57	0605-0705	28	M.	78	80	--	60' roller net
6	28° 28'	91° 20'	6-25-57	0835-0835	28	M.	80	82	--	60' roller trawl
7	28° 30'	90° 25'	6-28-57	1700-1830	28-23	S.M.Sh.	78	80	--	60' roller net
8	28° 12'	90° 10'	6-29-57	--	27	M.S.Sh.	80	80	--	60' roller net
9	28° 10'	90° 05'	6-29-57	--	30	--	81	80	--	60' roller net
10	28° 08'	90° 35'	6-29-57	--	31	B.Spg.	82	80	--	--
11	28° 08'	90° 35'	6-29-57	--	31	Co.M.	85	80	--	60' roller net
12	28° 04'	88° 43'	7-1-57	0255-0455	44-42	M.	82	80	--	52' roller trawl
13	28° 12'	88° 45'	7-1-57	0515-0520	38	Co.	80	82	--	52' roller net
14	28° 20'	88° 20'	7-1-57	--	24-27	S.M.	80	82	--	52' roller net
15	30° 10'	88° 17'	7-12-57	1328-1348	7	g.M.B.	78	84	--	Quahog dredge
16	30° 05'	87° 42'	7-12-57	1732-1804	10-11	S.	--	--	--	Quahog dredge
17	30° 09'	87° 34'	7-12-57	1837-1900	11	S.	83	83	--	Quahog dredge
18	30° 11'	87° 25'	7-12-57	--	--	S.	80	84	--	Quahog dredge
19	--	--	7-12/13-57	--	--	S.	81	84	--	Trap lift net
20	30° 14'	87° 13'	7-13-57	0737-0807	12	S.	78	82	--	Quahog dredge
21	30° 15'	87° 13'	7-13-57	0813-0843	10-13	S.	79	82	--	Quahog dredge
22	30° 16'	87° 11'	7-13-57	0910-0940	10-14	S.	--	--	--	Quahog dredge
23	30° 20'	87° 02'	7-13-57	1105-1155	7	S.	81	85	--	Quahog dredge
24	30° 21'	87° 00'	7-13-57	1145-1215	7-8	S.	81	85	--	Quahog dredge
25	30° 20'	86° 58'	7-13-57	1222-1255	8-11	--	81	85	--	Quahog dredge
26	30° 22'	86° 56'	7-13-57	1301-1335	11-14	--	81	86	--	Quahog dredge
27	30° 23'	86° 52'	7-13-57	1343-1422	14-11	--	81	84	--	Quahog dredge
28	30° 10'	86° 57'	7-13-57	1440-1510	15	--	84	--	--	Quahog dredge
29	30° 08'	86° 50'	7-13-57	1530-1600	15-20	S.	81	85	--	Quahog dredge
30	30° 04'	86° 42'	7-14-57	--	25-50	S.	84	84	--	Quahog dredge
31	--	--	7-14-57	0200-0500	4	S.	--	--	--	Trap lift net
32	29° 30'	85° 35'	7-14-57	--	11-12	S.	83	85	--	Quahog dredge
33	29° 27'	85° 34'	7-14-57	--	12	S.	83	84	--	Quahog dredge
34	29° 30'	85° 30'	7-14-57	1030-1100	7	--	82	84	--	Quahog dredge
35	29° 20'	85° 31'	7-14-57	1225-1250	25-30	S.	--	--	--	8' scallop dredge
36	29° 17'	85° 32'	7-14-57	--	30-36	S.	82	86	--	8' scallop dredge
37	29° 15'	85° 31'	7-14-57	1400-1430	36-35	S.	--	--	--	8' scallop dredge
38	29° 12'	85° 32'	7-14-57	--	--	S.	82	85	--	8' scallop dredge
39	29° 21'	85° 18'	7-14-57	--	13	S.M.	83	85	--	8' scallop dredge
40	--	--	7-14-57	--	--	--	--	--	--	Trap lift net
41	29° 13'	85° 03'	7-15-57	0827-0900	13	S.	--	--	--	8' scallop dredge
42	29° 16'	85° 08'	7-15-57	0932-1015	16-14	--	89	86	--	8' scallop dredge
43	28° 12'	85° 13'	7-15-57	1030-1100	13-5-17	S.	83	87	--	8' scallop dredge
44	29° 03'	85° 17'	7-15-57	--	15-21-17	S.	85	85	--	8' scallop dredge
45	29° 08'	85° 17'	7-15-57	--	17-18	S.	--	--	--	8' scallop dredge
46	29° 03'	85° 17'	7-15-57	--	20	--	82	87	--	8' scallop dredge
47	28° 06'	85° 15'	7-15-57	1317-1415	18-23	S.Sp.	82	87	--	8' scallop dredge
48	29° 00'	85° 15'	7-15-57	1430-1514	23-30	S.Spg.G.	82	84	--	8' scallop dredge
49	28° 58'	85° 18'	7-15-57	1524-1605	30-36	S.G.Sp.	81	85	--	8' scallop dredge
50	28° 58'	85° 20'	7-15-57	1628-1715	38-44	S.G.Sp.	82	85	--	8' scallop dredge
51	28° 39'	85° 28'	7-15-57	1910-2015	91-104	--	83	84	--	8' scallop dredge
52	28° 38'	84° 25'	7-16-57	0555-0636	21	--	--	--	--	8' scallop dredge
53	28° 35'	84° 24'	7-16-57	--	22-20	S.P.R.Co.G.S.	80	83	--	8' scallop dredge
54	28° 09'	83° 50'	7-16-57	1148-1227	20	--	85	85	--	8' scallop dredge
55	28° 03'	83° 48'	7-16-57	1405-1435	18-19	--	85	85	--	8' scallop dredge
56	--	--	7-16-57	--	--	--	--	--	--	Trap lift net
57	--	--	7-17-57	--	5	S.	--	--	--	8' scallop dredge
58	27° 28'	82° 48'	7-17-57	0800-0830	4-3	--	85	85	--	8' scallop dredge
59	27° 30'	82° 46'	7-17-57	0855-0930	3	S.G.Sh.	82	84	--	8' scallop dredge
60	27° 11'	82° 33'	7-17-57	1300-1330	3	--	84	85	--	8' scallop dredge
61	26° 54'	82° 33'	7-17-57	1400-1430	6	S.Sh.	81	85	--	8' scallop dredge
62	26° 55'	82° 38'	7-17-57	--	2.5	S.Sh.	84	85	--	Quahog dredge #2
63	26° 40'	82° 20'	7-17-57	1715-1738	6	S.Sh.	81	85	--	8' scallop dredge
64	--	--	7-17/18-57	--	--	--	--	--	--	--
65	26° 22'	82° 05'	7-18-57	0350-1000	3	--	--	--	--	8' scallop dredge
66	26° 21'	82° 05'	7-18-57	1020-1050	2.5	--	--	--	--	8' scallop dredge
67	26° 20'	82° 03'	7-18-57	--	--	S.	81	84	--	8' scallop dredge
68	26° 17'	82° 02'	7-18-57	1240-1305	6	Rk.Sp.Sb.	81	84	--	8' scallop dredge
69	26° 13'	82° 05'	7-18-57	1350-1420	7	M.S.Sp.	--	--	--	8' scallop dredge
70	26° 07'	81° 52'	7-18-57	1605-1640	3.5	M.Sh.	83	85	--	8' scallop dredge
71	25° 26'	81° 40'	7-18-57	2020-2050	4.5	--	82	85	--	8' scallop dredge
72	25° 14'	81° 41'	7-18-57	--	5	--	--	--	--	Dip net
73	24° 54'	81° 30'	7-18-57	--	5	--	83	85	--	8' scallop dredge
74	24° 42'	81° 37'	7-18-57	--	5	--	--	--	--	8' scallop dredge
75	24° 49'	81° 47'	7-18-57	0820-0840	8	M.Sh.	84	85	--	8' scallop dredge
76	24° 48'	81° 48'	7-18-57	0850-0920	8	--	82	85	--	8' scallop dredge
77	24° 40'	81° 51'	7-18-57	0945-1015	8	--	82	85	--	8' scallop dredge
78	24° 44'	82° 02'	7-19-57	1050-1120	9-7	--	84	86	--	8' scallop dredge
79	24° 45'	82° 06'	7-18-57	1205-1235	10	M.Sh.	84	86	--	8' scallop dredge
80	26° 15'	82° 53'	7-24-57	1700-1735	20-19	--	86	--	--	8' scallop dredge
81	26° 20'	82° 46'	7-24-57	1845-1920	15½-15	--	82	82	--	8' scallop dredge
82	26° 46'	82° 53'	7-24-57	2140-2220	17	--	82	83	--	8' scallop dredge
83	27° 40'	83° 41'	7-25-57	0615-0650	22	--	81	82	--	8' scallop dredge
84	27° 56'	83° 30'	7-25-57	--	16-15	--	83	84	--	8' scallop dredge
85	28° 05'	83° 20'	7-25-57	1035-1110	12	--	80	84	--	8' scallop dredge
86	28° 17'	82° 42'	7-25-57	1405-1440	16-17	--	82	84	--	8' scallop dredge
87	28° 75'	84° 15'	7-25-57	1848-1920	15-15	--	82	--	--	8' scallop dredge
88	29° 02'	84° 43'	7-26-57	0500-0535	20-19	--	82	--	--	8' scallop dredge
89	28° 02'	84° 50'	7-26-57	0548-0625	21-20	--	82	--	--	8' scallop dredge
90	29° 04'	84° 51'	7-26-57	0635-0712	20-13	--	82	--	--	8' scallop dredge
91	28° 06'	84° 52'	7-26-57	0726-0805	18	--	80	82	--	8' scallop dredge
92	29° 05'	85° 05'	7-26-57	1014-1045	17-18	--	81	--	--	8' scallop dredge
93	28° 04'	85° 16'	7-26-57	1050-1125	21-19	--	83	84	--	8' scallop dredge
94	28° 06'	85° 17'	7-26-57	1140-1215	18	--	82	84	--	8' scallop dredge
95	28° 07'	85° 16'	7-26-57	1225-1300	19	--	--	--	--	8' scallop dredge
96	28° 06'	85° 16'	7-26-57	1415-1450	20	--	82	84	--	8' scallop dredge
97	28° 06'	85° 14'	7-26-57	1400-1436	19	--	82	84	--	8' scallop dredge
98	28° 07'	85° 12'	7-26-57	1450-1525	20	--	81	84	--	8' scallop dredge
99	28° 07'	85° 14'	7-26-57	1540-1615	20-21	--	81	84	--	8' scallop dredge
100	28° 07'	85° 10'	7-26-57	2015-2115	55-71	--	81	--	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air °F.	Sur. °F.	Bottom °F.	
Fathoms										
101	29°08'	85°51'	7-27-57	0550-0650	93-100	--	81	83	--	8' scallop dredge
102	29°10'	85°56'	7-27-57	0715-0815	100-110	--	81	83	--	8' scallop dredge
103	29°10'	85°59'	7-27-57	0845-0945	110-117	--	80	83	--	8' scallop dredge
104	29°10'	86°05'	7-27-57	1010-1045	116-117	--	80	83	--	8' scallop dredge
105	29°12'	86°04'	7-27-57	1115-1215	111-105	--	80	83	--	8' scallop dredge
106	29°13'	86°06'	7-27-57	1320-1450	105-80	--	63	85	--	52' balloon trawl
107	29°09'	86°03'	7-27-57	1550-1705	87-76	--	83	84	--	52' balloon trawl
108	29°21'	86°07'	7-27-57	1745-1915	71-52	--	82	84	--	52' balloon trawl
109	29°35'	86°00'	7-28-57	0545-0715	23	--	80	83	--	52' balloon trawl
110	29°43'	85°59'	7-28-57	0740-0920	23-18	--	81	84	--	52' balloon trawl
111	29°48'	85°55'	7-28-57	0945-1115	18-18	--	80	84	--	52' balloon trawl
112	30°14'	86°00'	7-29-57	--	3	--	--	--	--	Bait lift net
113	29°27'	84°58'	8-14-57	--	7	S.	85	--	--	14 tooth quahog dredge
114	29°30'	84°57'	8-14-57	--	5	S.	85	--	--	14 tooth quahog dredge
115	29°44'	84°37'	8-14-57	1515-1530	3.5-4	S.M.	85	--	--	Quahog dredge
116	27°35'	82°41'	8-17-57	0914-0930	4	--	87	87	--	Quahog dredge
117	27°35'	82°42'	8-17-57	0936-0951	4	--	87	87	--	Quahog dredge
118	27°35'	82°44'	8-17-57	1006-1020	4	--	87	87	--	Quahog dredge
119	27°30'	82°48'	8-17-57	1045-1115	5	S.	86	87	--	Quahog dredge
120	27°34'	82°50'	8-17-57	1121-1200	5	S.	86	87	--	Quahog dredge
121	27°44'	82°46'	8-17-57	1300-1323	5	S.	86	87	--	--
122	27°35'	82°50'	8-17-57	1325-1345	4	S.	86	87	--	Quahog dredge
123	27°43'	82°47'	8-17-57	1400-1420	4	S.	85	87	--	2 quahog dredges
124	27°38'	82°51'	8-17-57	1432-1452	4	S.	86	87	--	Quahog dredge
125	27°44'	82°46'	8-17-57	1510-1530	4	S.	86	87	--	2 quahog dredges
126	27°34'	82°50'	8-17-57	1541-1601	4	S.	86	87	--	Quahog dredge
127	27°42'	82°17'	8-17-57	1612-1630	4	S.	86	87	--	Quahog dredge
128	27°44'	82°45'	8-17-57	1635-1705	4	S.	86	87	--	2 quahog dredges
129	27°20'	82°38'	8-17/18-57	--	5	--	85	87	--	Dip net
130	27°19'	82°37'	8-18-57	--	4	M.S.	86	86	--	2 quahog dredges
131	27°15'	82°34'	8-18-57	0730-0800	4-5	M.S.	86	87	--	2 quahog dredges
132	27°06'	82°31'	8-18-57	0915-0945	4-5	M.S.	86	--	--	2 quahog dredges
133	26°55'	82°21'	8-18-57	1040-1110	4	M.Rk.S.	86	--	--	2 quahog dredges
134	26°50'	82°20'	8-18-57	1130-1205	4	M.S.	86	87	--	Quahog dredge
135	26°48'	82°18'	8-18-57	1215-1245	4	M.S.	86	87	--	Quahog dredge
136	26°48'	82°20'	8-18-57	1443-1510	4	M.S.	86	87	--	2 quahog dredges
137	27°45'	82°46'	8-18-57	0620-0650	3	M.C.o.S.	86	87	--	2 quahog dredges
138	27°44'	82°46'	8-18-57	0656-0715	4	M.	86	87	--	2 quahog dredges
139	27°38'	82°47'	8-18-57	--	4	M.	86	--	--	2 quahog dredges
140	27°37'	82°46'	8-18-57	0810-0840	4	M.S.	86	87	--	2 quahog dredges
141	27°38'	82°51'	8-19-57	0850-0920	4	M.S.	86	87	--	2 quahog dredges
142	27°37'	82°48'	8-19-57	0930-1000	4	M.	86	87	--	2 quahog dredges
143	27°38'	82°51'	8-19-57	1010-1050	4	M.	86	87	--	2 quahog dredges
144	27°44'	82°46'	8-19-57	1100-1130	4	M.	86	87	--	2 quahog dredges
145	27°46'	82°44'	8-19-57	1140-1220	4	M.	86	87	--	2 quahog dredges
146	27°44'	82°46'	8-19-57	1230-1300	4	M.	86	87	--	2 quahog dredges
147	--	--	8-19-57	1455-1515	4-5	M.	86	87	--	2 quahog dredges
148	28°03'	82°52'	8-20-57	1655-1715	4	--	81	86	--	2 quahog dredges
149	28°11'	82°56'	8-20-57	1815-1845	4	--	81	86	--	2 quahog dredges
150	28°22'	82°56'	8-20-57	2000-2030	3	--	81	86	--	2 quahog dredges
151	28°56'	83°10'	8-21-57	0825-0845	4	--	81	86	--	2 quahog dredges
152	29°01'	83°21'	8-21-57	1015-1115	6	--	85	81	--	52' roller net
153	29°01'	83°45'	8-21-57	1345-1445	11	--	85	82	--	52' roller trawl
154	28°58'	84°44'	8-22-57	0655-0620	76-81	--	82	81	--	52' roller trawl
155	29°02'	85°45'	8-22-57	0805-1030	61-67	--	84	81	--	52' roller trawl
156	29°04'	85°49'	8-22-57	--	100-102	--	86	82	--	52' roller trawl
157	29°12'	86°06'	8-22-57	1550-1715	116	--	85	81	--	52' roller trawl
158	29°35'	86°04'	8-23-57	0725-0835	40	--	60	--	--	52' roller trawl
159	29°36'	86°01'	8-23-57	0950-1120	23-22	--	82	82	--	52' roller trawl
160	29°36'	85°54'	8-23-57	1145-1315	22-21	--	85	82	--	52' roller trawl
161	29°38'	85°53'	8-23-57	1335-1505	21-18	--	86	83	--	52' roller trawl
162	29°40'	85°50'	8-23-57	1535-1720	18-16	--	63	81	--	52' roller trawl
163	29°44'	85°44'	8-23-57	1745-1905	16	S.Sh.	78	81	--	52' roller trawl
164	29°54'	85°48'	8-24-57	0715-0845	17-15	--	76	80	--	52' fish trawl
165	30°12'	86°32'	8-24-57	1122-1220	4	--	85	--	--	52' fish trawl
166	30°12'	86°36'	8-24-57	1242-1340	4	M.S.	85	83	--	52' fish trawl
167	30°12'	86°40'	8-24-57	1412-1540	4	M.S.	85	83	--	52' fish trawl
168	30°00'	88°21'	8-24-57	1602-1730	4	--	85	--	--	52' fish trawl
169	30°11'	88°31'	8-24-57	2120-2245	4	--	84	--	--	52' fish trawl
170	30°00'	88°21'	8-24-57	--	15	--	84	--	--	52' fish trawl
171	30°00'	88°21'	8-24-57	0620-0820	16	M.	83	85	--	52' fish trawl
172	28°51'	86°12'	8-24-57	0845-1045	17	M.	82	--	--	52' fish trawl
173	28°46'	88°11'	8-24-57	1115-1245	18	M.	82	--	--	52' fish trawl
174	28°43'	88°11'	8-24-57	1325-1455	21	M.	82	--	--	52' fish trawl
175	28°05'	90°52'	9-20-57	1245-1415	100	gn.M.	86	--	--	60/78' net
176	28°06'	90°58'	9-20-57	1520-1650	75	gn.M.	84	--	--	60/78' net
177	28°06'	90°43'	9-20-57	1812-1935	75	gn.M.	84	--	--	60/78' net
178	28°11'	90°51'	9-21-57	0545-0715	45	--	82	--	--	76, 86' net
179	28°06'	91°09'	9-21-57	1045-1215	75-100	G.M.S.	86	--	--	76, 86' net
180	28°05'	91°40'	9-21-57	1707-1840	60	--	84	--	--	76, 86' net
181	28°04'	92°05'	9-22-57	0605-0740	43	S.M.	82	--	--	76, 96' net
182	28°07'	92°37'	9-22-57	1110-1240	49	--	86	--	--	76, 96' net
183	27°53'	93°00'	9-22-57	1645-1715	100	--	84	--	--	76, 96' net
184	28°06'	93°24'	9-23-57	0815-1015	44	M.	78	--	--	60/78' net
185	28°07'	93°45'	9-23-57	1455-1625	32	--	80	--	--	60/78' net
186	28°10'	93°17'	9-23-57	1735-1805	27	B.Sh.	80	--	--	60/78' net
187	28°30'	94°97'	9-25-57	0605-0735	19	M.Sh.	78	--	--	76, 96' net
188	28°28'	95°00'	9-27-57	0605-0805	21	M.Sh.	76	--	--	76, 96' net
189	28°27'	95°02'	9-27-57	0835-1035	20	M.Sh.	80	--	--	76, 96' net
190	28°07'	95°03'	9-27-57	1225-1355	50	M.Sh.	80	--	--	76, 96' net
191	28°09'	95°04'	9-27-57	1425-1555	32	M.Sh.	82	--	--	76, 96' net
192	28°04'	95°05'	9-27-57	1615-1815	34	M.	84	--	--	76, 96' net
193	27°51'	95°30'	9-29-57	0610-0745	41-45	M.Sh.	78	--	--	76, 96' net
194	27°50'	95°25'	9-29-57	0840-0910	43-45	M.S.	80	--	--	60/78' net
195	27°52'	95°20'	9-29-57	1120-1250	44	M.Sh.	82	--	--	60/78' net
196	27°50'	95°25'	9-29-57	1315-1330	44	--	82	--	--	60/78' net
197	29°43'	95°26'	9-29-57	1625-1720	44	M.Sh.	82	--	--	60/78' net
198	27°54'	95°24'	9-30-57	0630-0830	43	--	76	--	--	76, 96' net
199	27°55'	95°20'	9-30-57	0855-1065	43	M.Sh.	82	--	--	76, 96' net
200	27°59'	95°15'	9-30-57	1115-1310	43-46	M.S.	84	--	--	76, 96' net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Sec.	
			Fathoms				° F.	° F.	° F.	
201	27°53'	95°10'	9-30-57	1530-1550	45	M.	80	--	--	76/96' net
202	27°59'	95°05'	9-30-57	1600-1800	45	M.	78	--	--	76/96' net
205	28°01'	95°00'	10-1-57	0615-0815	41-57	M.	76	--	--	76/96' net
204	28°05'	94°52'	10-1-57	0935-1135	34-44	M.	80	--	--	76/96' net
205	28°00'	94°51'	10-1-57	1200-1400	45	M.	80	--	--	76/96' net
206	28°00'	94°48'	10-1-57	1420-1620	50-47	M.	80	--	--	76/96' net
207	27°59'	94°49'	10-1-57	1545-1845	47-58	M.	78	--	--	76/96' net
208	28°05'	94°57'	10-2-57	0600-0800	38-33	M.	76	--	--	76/96' net
209	28°04'	94°54'	10-2-57	0850-1050	55	M.	80	--	--	76/96' net
210	28°05'	94°51'	10-2-57	1045-1245	55	M.	80	--	--	76/96' net
211	28°45'	88°03'	11-20-57	0728-1028	200	gn.M.	70	--	--	40' flat trawl
212	28°29'	88°07'	11-20-57	1135-1435	200	gn.M.	74	--	--	40' flat trawl
213	29°20'	88°06'	11-20-57	1530-1830	200-210	gn.M.	72	--	--	40' flat trawl
214	29°56'	88°12'	11-20-57	2352-2652	180	gn.M.	64	--	--	Drift net
215	29°48'	88°14'	11-21-57	--	--	--	--	--	--	
216	29°45'	88°09'	11-21-57	0805-1005	200	gn.M.	68	--	--	96/126' balloon trawl
217	29°41'	88°08'	11-21-57	1120-1420	180-200	gn.M.	72	--	--	96/126' balloon trawl
218	29°38'	88°11'	11-21-57	1515-1815	220	gn.M.	78	--	--	96/126' balloon trawl
219	29°34'	88°09'	11-21-57	1915-2215	190	gn.M.	72	78	--	65' flat trawl
220	29°29'	88°09'	11-22-57	0027-0500	180	gn.M.	72	78	--	65' flat trawl
221	29°21'	88°06'	11-22-57	0610-0910	180	gn.M.	72	--	--	65' flat trawl
222	29°09'	88°05'	11-23-57	2018-2048	95	gn.M.	78	--	--	65' flat trawl
223	29°14'	88°05'	11-23-57	2155-2240	135	gn.M.	76	79	--	65' flat trawl
224	29°23'	88°09'	11-24-57	0035-0235	180	gn.M.	78	77	--	65' flat trawl
225	29°27'	88°15'	11-24-57	0345-0700	180	gn.M.	78	--	--	65' flat trawl
226	29°25'	88°07'	11-24-57	0757-0957	190	gn.M.	78	--	--	65' flat trawl
227	29°22'	88°05'	11-24-57	1112-1512	200	gn.M.	88	--	--	65' flat trawl
228	30°04'	88°10'	11-24-57	1817-2017	190	gn.M.	75	79	--	65' flat trawl
229	30°03'	88°10'	11-24-57	2112-2512	200	--	77	--	--	65' flat trawl
230	30°00'	88°10'	11-25-57	0000-0355	205-210	gn.M.	78	79	--	65' flat trawl
231	29°16'	88°05'	11-28-57	0710-0910	200	gn.M.	71	78	--	65' flat trawl
232	29°14'	88°02'	11-28-57	1009-1210	225-250	gn.M.	--	78	--	65' flat trawl
233	29°13'	88°04'	11-28-57	1350-1550	160	M.	78	--	--	40' flat trawl
234	29°11'	88°03'	11-28-57	1641-1841	170-180	gn.M.	--	79	--	40' flat trawl
235	28°51'	79°56'	11-28-57	2507-3107	200	M.	77	79	--	40' flat trawl
236	28°48'	79°53'	11-23-57	0210-0510	180-190	gn.M.	76	--	--	40' flat trawl
237	29°41'	79°53'	11-23-57	0606-0806	200-225	M.	76	--	--	40' flat trawl
238	28°22'	80°26'	11-23-57	1307-1405	8	br.S.	78	--	--	40' flat trawl
239	28°18'	80°23'	11-23-57	1507-1607	8	S.M.	76	--	--	96/126' balloon trawl
240	28°22'	80°26'	11-23-57	1625-1725	8	S.M.	76	--	--	96/126' balloon trawl
241	28°21'	80°35'	11-30-57	0723-0820	6	S.M.	72	--	--	96/126' balloon trawl
242	28°12'	80°34'	11-30-57	0845-1013	6	S.M.	74	--	--	96/126' balloon trawl
243	28°12'	80°34'	11-30-57	1040-1210	6	S.M.	76	--	--	96/126' balloon trawl
244	28°12'	80°34'	11-30-57	1225-1355	6	S.M.	75	74	--	96/126' balloon trawl
245	28°16'	80°34'	12-2-57	1329-1429	6	S.M.	62	--	--	2 40' flat trawls
246	28°18'	80°34'	12-2-57	1503-1515	6	S.M.	70	--	--	96/126' balloon trawl
247	28°17'	80°34'	12-2-57	1548-1648	6	S.M.	72	--	--	96/126' balloon trawl
248	28°16'	80°34'	12-2-57	1708-1908	6	S.M.	70	--	--	96/126' balloon trawl
249	29°33'	80°12'	12-5-57	--	180-130	gn.M.	65	76	--	96/126' balloon trawl
250	29°28'	80°06'	12-5-57	0916-1216	200	gn.M.	75	--	--	96/126' balloon trawl
251	29°26'	80°06'	12-3-57	1404-1704	200	gn.M.	76	76	--	96/126' balloon trawl
252	29°23'	80°04'	12-3-57	1844-2145	200	M.	70	76	--	40' flat trawl
253	29°25'	80°06'	12-5-57	2332-0232	200-210	gn.M.	72	--	--	40' flat trawl
254	29°25'	80°06'	12-4-57	0349-0650	200-210	gn.M.	68	77	--	40' flat trawl
255	29°20'	80°05'	12-4-57	0808-1110	200-210	M.	68	77	--	40' flat trawl
256	28°51'	95°52'	12-6-58	0848-0948	10	M.	54	--	--	52/72' roller net
257	28°47'	95°18'	12-6-58	1053-1225	10	M.	58	--	--	52/72' roller net
258	28°07'	95°53'	12-6-58	1749-1930	20	M.	60	54	--	52/72' roller net
259	27°47'	95°11'	12-26/27-58	--	56	--	65	64	--	Dip station
260	27°49'	95°10'	1-27-58	0719-0845	33	M.	64	64	--	52/72' roller net
261	27°49'	95°10'	1-27-58	0915-1045	40	M.	68	--	--	52/72' roller net
262	27°45'	95°15'	1-27-58	1115-1210	40	--	72	--	--	52/72' roller net
263	27°42'	95°18'	1-27-58	1350-1520	55	M.	66	--	--	76/96' roller net
264	27°37'	95°19'	1-27-58	1625-1810	45	M.	69	--	--	76/96' roller net
265	27°09'	95°49'	1-28-58	0635-0740	52	M.	65	--	--	76/96' roller net
266	27°04'	95°45'	1-28-58	0850-1020	45	M.	65	62	--	76/96' roller net
267	27°04'	95°55'	1-28-58	1105-1220	47	--	68	62	--	76/96' roller net
268	26°24'	95°41'	1-28-58	1700-1850	25	M.	62	57	--	76/96' roller net
269	26°08'	95°48'	1-29-58	0605-0805	25	M.	56	58	--	76/96' roller net
270	26°04'	95°50'	1-29-58	0850-0945	23	Co.M.	56	59	--	76/96' roller net
271	26°02'	95°50'	2-1-58	1107-1237	23	S.M.Sh.	75	61	68.5	76/96' roller net
272	26°05'	95°50'	2-1-58	1500-1410	25	Co.Sb.	66	64.4	68.7	76/96' roller net
273	26°26'	97°00'	2-1-58	1720-1820	18	Co.S.	66	62.2	66.9	76/96' roller net
274	27°49'	95°15'	2-2-58	0750-0840	55-35	Co.M.Sb.	60	66.5	66.2	76/96' roller net
275	27°47'	95°11'	2-2-58	0910-1025	55	M.S.	64	66	63.5	76/96' roller net
276	27°45'	95°10'	2-2-58	1045-1215	40-45	M.S.	62	68	63.5	76/96' roller net
277	27°44'	95°08'	2-2-58	1240-1400	45-40	S.M.	77	--	--	76/96' roller net
278	27°44'	95°04'	2-2-58	1435-1545	40	M.S.	85	--	--	76/96' roller net
279	27°43'	95°59'	2-2-58	1605-1730	45-50	M.S.	76	--	--	76/96' roller net
280	27°45'	95°56'	2-2-58	1800-1940	50-42	M.	66	--	--	76/96' roller net
281	27°45'	95°46'	2-2-58	2035-2200	40	M.	65	--	--	52/72' roller net
282	27°37'	95°31'	2-5-58	0725-0845	100-45	S.M.	60	--	--	52/72' roller net
283	27°45'	95°40'	2-5-58	0925-1120	43-42	M.S.	60	--	--	52/72' roller net
284	27°45'	95°43'	2-5-58	1155-1400	40-50	Co.S.M.	61	--	--	52/72' roller net
285	27°46'	95°43'	2-5-57	1425-1625	40-50	--	62	--	--	52/72' roller net
286	27°46'	95°57'	2-5-58	1645-1845	45	Co.S.	61	--	--	52/72' roller net
287	27°45'	95°48'	2-4-58	0645-0845	30-52	Co.S.b.	66	--	--	52/72' roller net
288	27°47'	95°45'	2-4-58	0950-1150	35-40	M.	66	--	--	52/72' roller net
289	27°47'	95°42'	2-4-58	1220-1420	40-45	M.	68	--	--	52/72' roller net
290	27°46'	95°58'	2-4-58	1445-1720	45	M.	68	--	--	52/72' roller net
291	27°45'	95°42'	2-5-58	0750-0915	45	M.	68	--	--	52/72' roller net
292	27°46'	95°38'	2-5-58	0945-1115	42-45	M.	68	--	--	52/72' roller net
293	27°47'	95°33'	2-5-58	1155-1325	45-55	M.	68	--	--	52/72' roller net
294	27°54'	95°23'	2-5-58	1505-1655	45	M.	68	--	--	52/72' roller net
295	27°55'	95°17'	2-5-58	1710-1840	45	M.	69	--	--	52/72' roller net
296	29°45'	88°20'	5-12-58	1025-1200	20	M.	64	--	--	60/80' roller net
297	29°41'	88°12'	5-12-58	1340-1510	22	M.	68	--	--	60/80' roller net
298	29°41'	88°10'	5-12-58	1615-1750	20	M.	66	--	--	60/80' roller net
299	29°48'	88°08'	5-13-58	0715-0845	26	G.S.	--	--	--	60/80' roller net
300	29°22'	88°06'	5-13-58	0950-1100	45-55	S.	62	--	--	60/80' roller net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.						° F.	° F.	
501	29°18'	88°02'	5-13-58	1130-1300	60-65	M.	--	--	--	60/80' roller net
302	28°25'	87°59'	5-13-58	1430-1530	32-37	--	62	--	--	50/80' roller net
303	28°45'	88°17'	5-14-58	0640-0810	20	M.S.	50	--	--	50/80' roller net
304	28°44'	88°11'	5-14-58	0840-1010	20	M.S.	--	--	--	50/80' roller net
305	28°42'	88°04'	5-14-58	1107-1237	20	M.S.	52	--	--	60/80' roller net
306	28°43'	87°52'	5-14-58	1335-1505	22	M.S.	48	--	--	60/80' roller net
307	28°40'	87°45'	5-14-58	1605-1755	20	M.S.	--	--	--	S2/72' roller set
308	28°36'	87°32'	5-15-58	0615-0710	32-35	M.	58	68	--	S2/72' roller net
309	28°29'	87°31'	5-15-58	0830-0885	37	--	64	--	--	S2/72' roller net
310	28°31'	87°26'	5-15-58	0830-0845	44	gy.S.	68	--	--	S2/72' roller net
311	28°39'	87°13'	5-15-58	1350-1515	56	--	70	--	--	S2/72' roller net
312	28°03'	88°50'	5-16-58	0630-0800	55	M.S.	60	--	--	S2/72' roller net
313	28°03'	88°42'	5-16-58	0855-1015	35-40	S.Sh.	60	--	--	S2/72' roller net
314	28°00'	88°37'	5-16-58	1055-1220	30	S.Sh.	65	--	--	S2/72' roller net
315	28°50'	88°30'	5-16-58	1405-1555	50-60	S.M.	62	--	--	S2/72' roller net
316	28°50'	88°35'	5-17-58	1600-1700	60-70	S.M.	60	--	--	S2/72' roller net
317	28°22'	87°35'	5-17-58	--	150	M.	66	--	--	S2/72' roller net
318	28°17'	87°58'	5-17-58	1145-1345	250	gn.M.	--	--	--	S2/72' roller net
319	28°34'	88°44'	5-21-58	0705-0805	9	Cl.S.	68	--	--	S2/72' roller net
320	28°34'	88°58'	5-21-58	0850-0950	9-10	S.Sh.	--	--	--	50/80' roller net
321	28°36'	88°37'	5-21-58	1050-1150	9-12	S.Sh.	--	--	--	60/80' roller net
322	28°40'	88°29'	5-21-58	1250-1350	20	M.S.	61	--	--	--
323	28°45'	88°24'	5-21-58	1450-1550	18	M.S.	65	--	--	60/80' roller net
324	28°05'	88°54'	5-25-58	0635-0735	40-65	M.	--	--	--	60/80' roller net
325	28°05'	88°44'	5-25-58	0935-1035	50	--	--	--	--	60/80' roller net
326	28°06'	88°40'	5-25-58	1100-1200	50	M.	58	--	--	60/80' roller net
327	28°08'	88°41'	5-25-58	1305-1405	50	--	--	--	--	60/80' roller net
328	28°12'	88°35'	5-25-58	1515-1520	32	Co.	--	--	--	--
329	28°16'	88°31'	5-25-58	1630-1755	58	M.S.	--	--	--	60/80' roller net
330	28°14'	88°23'	5-26-58	--	70-75	M.S.	58	--	--	60/80' roller net
331	28°15'	88°16'	5-26-58	--	50	Co.	58	--	--	S2/72' roller net
332	28°17'	88°16'	5-26-58	0955-1035	46	M.S.	60	--	--	S2/72' roller net
333	28°10'	88°08'	5-26-58	1515-1715	225	M.	60	--	--	40' flat trawl
334	28°12'	87°46'	5-27-58	0750-0950	225	M.S.	--	--	--	60/80' roller net
335	28°24'	88°18'	5-27-58	1450-1530	29	M.Sh.S.	55	--	--	60/80' roller net
336	28°25'	88°20'	5-27-58	1555-1655	30	S.Sh.M.	58	--	--	60/80' roller net
337	28°26'	88°23'	5-27-58	1720-1820	30	M.Sh.S.	56	--	--	50/80' roller net
338	28°23'	88°16'	5-28-58	--	30	S.Sh.M.	64	--	--	50/80' roller net
339	28°25'	88°23'	5-28-58	0835-0930	50-28	M.S.Sh.	62	--	--	60/80' roller net
340	28°17'	91°23'	5-1-58	0715-0720	55	Co.	78	61	--	60/80' roller net
341	21°45'	91°30'	5-1-58	1245-1325	23	S.	83	62	--	60/80' roller net
342	31°42'	91°28'	5-1-58	1345-1515	25	S.Spg.	80	82	--	60/80' roller net
343	21°33'	91°32'	5-1-58	1555-1700	25	S.	82	82	--	60/80' roller net
344	19°43'	91°35'	5-2-58	0745-0858	22	M.	76	82	--	60/80' roller net
345	19°43'	91°42'	5-2-58	1020-1730	21	M.	80	82	--	Arrowhead snapper trap
346	19°48'	91°42'	5-2-58	1150-1155	23	Spg.Rk.	82	82	--	60/80' roller net
347	19°47'	91°45'	5-2-58	1200-1400	23	Rk.	82	82	--	Handline
348	19°47'	91°45'	5-2-58	1300-1400	23-24	Rk.	78	83	--	Arrowhead snapper trap
349	20°02'	91°46'	5-3-58	0915-1015	23	S.Co.	78	83	--	S2/72' roller net
350	20°02'	91°47'	5-3-58	1140-1240	23	M.Sh.	80	83	--	S2/72' roller net
351	20°06'	91°47'	5-3-58	1300-1430	23	S.Co.	80	83	--	S2/72' roller net
352	20°05'	91°49'	5-3-58	1505-1640	23	S.Co.	79	84	--	S2/72' roller net
353	20°09'	91°51'	5-3-58	1715-1835	23	S.Spg.	82	84	--	S2/72' roller net
354	20°04'	91°55'	5-3-58	1915-2025	23	Spg.	78	84	--	S2/72' roller net
355	20°02'	91°57'	5-4-58	0635-0710	25	S.Sh.	76	83	--	S2/72' roller net
356	20°03'	91°52'	5-4-58	0935-1050	24	S.Spg.	76	83	--	S2/72' roller net
357	20°03'	91°55'	5-4-58	1110-1205	24	S.	75	83	--	S2/72' roller net
358	20°02'	91°58'	5-4-7-58	1550-1200(71/hrs)	25-29	S.	75	83	--	5 arrowhead fish traps
359	20°02'	91°53'	5-5-58	0745-0900	32	S.	76	83	--	S2/72' roller net
360	20°00'	91°57'	5-5-58	0925-1025	34-36	S.M.	77	83	--	S2/72' roller net
361	20°00'	91°57'	5-5-58	1125-1215	27	S.	80	84	--	S2/72' roller net
362	20°00'	91°43'	5-5-58	1255-1425	24	S.Sh.	80	84	--	S2/72' roller net
363	19°58'	91°42'	5-5-58	1455-1625	23	M.	79	85	--	S2/72' roller net
364	19°57'	91°45'	5-5-58	1650-1810	23	Spg.S.	78	84	--	S2/72' roller net
365	19°57'	91°40'	5-5-58	1915-2055	17	S.	78	84	--	S2/72' roller net
366	19°53'	91°39'	5-6-58	0620-0750	24	S.Sh.	76	83	--	S2/72' roller net
367	19°54'	91°40'	5-6-58	0815-0945	24	M.	77	83	--	S2/72' roller net
368	20°00'	91°44'	5-6-58	1005-1125	25	M.	77	83	--	S2/72' roller net
369	20°06'	91°40'	5-6-58	1150-1320	24	Spg.	78	83	--	S2/72' roller net
370	20°08'	91°41'	5-6-58	1345-1505	23	S.Spg.Co.	78	84	--	S2/72' roller net
371	20°10'	91°43'	5-6-58	1530-1655	23	Co.S.P.S.	78	84	--	S2/72' roller net
372	20°12'	91°45'	5-6-58	1725-1840	24	S.p.S.co.	78	84	--	S2/72' roller net
373	20°02'	91°53'	5-7-58	0600-0700	22	S.	76	83	--	S2/72' roller net
374	20°03'	91°51'	5-7-58	0720-0820	22	Spg.	76	83	--	S2/72' roller net
375	20°08'	91°50'	5-7-58	0845-0945	22	Sp.	76	83	--	S2/72' roller net
376	20°02'	91°55'	5-7-58	1010-1115	25	Spg.	78	84	--	S2/72' roller net
377	21°08'	91°39'	5-8-58	0615-0745	23	S.	76	83	--	S2/72' roller net
378	21°06'	91°43'	5-8-58	0800-0930	26-25	Co.	76	83	--	S2/72' roller net
379	21°05'	91°50'	5-8-58	1010-1215	25	S.co.	80	83	--	S2/72' roller net
380	21°04'	91°54'	5-8-58	1230-1420	26-27	S.Sp.	82	83	--	S2/72' roller net
381	21°02'	91°56'	5-8-58	1440-1610	25	S.Sh.	81	83	76	S2/72' roller net
382	21°06'	91°56'	5-8-58	1625-1808	26	S.	79	85	--	S2/72' roller net
383	21°11'	91°47'	5-8-58	1825-2115	26	S.	79	85	--	S2/72' roller net
384	21°35'	91°20'	5-8-58	0725-0825	25	S.	76	83	--	S2/72' roller net
385	21°39'	91°18'	5-8-58	0845-1015	25	S.Sh.	77	83	--	S2/72' roller net
386	21°44'	91°15'	5-8-58	1130-1300	25	--	78	83	--	S2/72' roller net
387	21°47'	91°11'	5-9-58	1330-1500	25	Spg.	78	82	--	S2/72' roller net
388	21°44'	91°07'	5-9-58	1525-1655	23½	S.	78	83	--	S2/72' roller net
389	21°45'	91°08'	5-9-58	1715-1845	26	S.	76	83	--	S2/72' roller net
390	22°18'	90°45'	5-10-58	0725-0825	33-34	M.	76	82	--	S2/72' roller net
391	22°22'	90°41'	5-10-58	0850-1015	35-36	M.S.	76	82	--	S2/72' roller net
392	22°21'	90°39'	5-10-58	1050-1150	35-36	M.S.	80	82	--	S2/72' roller net
393	22°28'	90°24'	5-10-58	1325-1445	40	S.Spg.	80	82	--	S2/72' roller net
394	22°24'	90°17'	5-10-58	1640-1800	33	Sp.	78	82	--	S2/72' roller net
395	22°22'	90°16'	5-10-58	1825-2000	30	Sp.	78	82	--	S2/72' roller net
396	22°22'	90°17'	5-10-58	--	30	--	78	82	--	Op station
397	22°22'	90°15'	5-11-58	0615-0715	30	hrd.Co.S.	76	81	--	S2/72' roller net
398	22°23'	90°03'	5-11-58	1100-1225	37	Sh.S.	80	82	--	S2/72' roller net
399	22°30'	90°00'	5-11-58	1245-1420	40	Sh.S.	80	83	--	S2/72' roller net
400	22°32'	89°55'	5-11-58	1445-1620	40	S.Sh.	80	83	--	S2/72' roller net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
401	22°34'	89°56'	5-11-58	1640-1810	42	S.Sb.	80	83	--	52'72' roller set
402	22°23'	89°53'	5-11-58	1835-2035	30	S.Spg.	78	84	--	52'72' roller set
403	22°12'	89°57'	5-11-58	2200-0100	27	--	78	84	--	Dip station
404	22°13'	89°43'	5-12-58	0620-0720	25	S.	76	82	--	52'72' roller net
405	22°13'	89°42'	5-12-58	0835-0955	25	Co.S.	90	82	--	52'72' roller net
406	22°13'	89°42'	5-12-58	1020-1155	24	Co.S.	90	82	--	52'72' roller net
407	22°13'	89°43'	5-12/13-58	1530-1820 (26 hrs)	27	--	80	82	--	3 arrowhead snapper traps
408	22°13'	89°45'	5-12-58	1530-1620	27	--	80	82	--	Handlines
409	22°13'	89°47'	5-12/13-58	1540-1825 (26 hrs)	27	--	82	82	--	Gill net
410	22°13'	89°50'	5-12-58	1800-2000	27	--	78	82	--	Dip station
411	22°09'	89°53'	5-14-58	0555-0725	23	S.	76	81	--	52'72' roller set
412	22°16'	89°54'	5-14-58	0755-0925	25	S.	76	81	--	52'72' roller set
413	22°18'	89°54'	5-14-58	0950-1050	26	S.Sb.	78	82	--	52'72' roller net
414	22°21'	89°48'	5-14-58	1140-1240	27	--	80	82	--	52'72' roller set
415	22°26'	89°43'	5-14-58	1340-1520	28	S.	78	83	--	52'72' roller net
416	22°31'	89°39'	5-14-58	1545-1705	29	--	76	83	--	52'72' roller net
417	22°34'	89°36'	5-14-58	1730-1800	30	S.	76	83	--	52'72' roller net
418	22°37'	88°37'	5-14-58	1925-2050	30	S.	76	82	--	52'72' roller net
419	22°45'	88°10'	5-15-58	0540-0720	33	S.Sb.	80	82	--	52'72' roller net
420	22°49'	88°13'	5-15-58	0740-0915	33	Co.S.	83	83	--	52'72' roller net
421	22°51'	88°08'	5-15-58	1000-1050	29	--	80	83	--	52'72' roller net
422	22°30'	88°13'	5-15-58	1410-1510	29	--	80	84	--	52'72' roller net
423	22°27'	88°11'	5-15-58	1540-1640	29	--	80	84	--	52'72' roller net
424	22°25'	88°08'	5-15-58	1705-1835	29	S.	78	84	--	52'72' roller net
425	22°00'	87°40'	5-16-58	0800-0900	35	--	76	83	--	Handlines
426	22°55'	87°47'	5-16-58	0910-1010	37	Co.S.	86	83	--	52'72' roller net
427	22°56'	87°53'	5-16-58	1105-1205	42	Co.S.	84	83	--	52'72' roller net
428	23°04'	88°02'	5-16-58	1305-1405	42-44	Co.S.	86	83	--	52'72' roller net
429	23°10'	88°10'	5-16-58	1505-1605	46	--	78	83	--	52'72' roller net
430	23°12'	88°13'	5-16-58	1625-1730	47	Co.S.	82	83	--	52'72' roller net
431	23°13'	69°00'	5-17-58	0550-0705	57	S.	79	83	--	52'72' roller net
432	23°10'	89°05'	5-17-58	0725-0825	60-66	S.	86	83	--	52'72' roller net
433	23°16'	89°10'	5-17-58	0910-1010	71-75	S.	82	83	--	52'72' roller net
434	22°22'	88°06'	5-17-58	1110-1240	80-85	S.	85	83	--	52'72' roller net
435	22°24'	88°01'	5-17-58	1420-1426	42	Co.S.	86	83	--	52'72' roller net
436	22°44'	88°12'	5-18-58	0600-0645	75-80	Co.	75	83	--	52'72' roller set
437	22°37'	87°58'	5-18-58	0905-1025	50-66	Co.S.	80	83	--	52'72' roller set
438	22°36'	87°54'	5-18-58	1050-1220	68	Co.S.	84	82	--	52'72' roller set
439	22°26'	79°18'	6-8-58	1900-2100	280	Co.S.	74	--	40' flat trawl	
440	22°21'	79°15'	6-8-58	2200-2350	240	Co.S.	78	--	40' flat trawl	
441	21°39'	79°15'	6-9-58	0240-0440	275-300	Co.S.	79	--	40' flat trawl	
442	21°53'	79°09'	6-9-58	0705-0905	375	S.C.	80	--	40' flat trawl	
443	21°59'	78°56'	6-9-58	1150-1255	480	Co.S.	88	--	40' flat trawl	
444	21°58'	78°41'	6-9-58	1620-1745	520	Co.S.	78	--	40' flat trawl	
445	21°03'	78°44'	6-9-58	1925-2225	500-520	Co.S.	78	--	40' flat trawl	
446	21°25'	78°24'	6-10-58	0340-0550	590	Co.S.	74	--	40' flat trawl	
447	21°35'	78°38'	6-10-58	1535-1800	385	Co.S.	82	--	40' flat trawl	
448	21°38'	78°38'	6-10-58	2020-2325	325-380	gy.M.	82	--	40' flat trawl	
449	21°42'	78°48'	6-11-58	0055-0225	280-315	gy.M.	76	--	40' flat trawl	
450	21°52'	79°45'	6-11-58	0405-0540	350	Co.S.	88	--	40' flat trawl	
451	21°48'	79°07'	6-11-58	1450-1600	450	S.C.	79	--	40' flat trawl	
452	21°54'	79°02'	6-11-58	1740-2030	430	gy.S.	76	--	40' flat trawl	
453	21°36'	78°26'	6-12-58	0215-0400	480	Co.S.	79	--	40' flat trawl	
454	21°19'	78°58'	6-12-58	1455-1745	330	gy.M.	88	--	40' flat trawl	
455	21°18'	79°59'	6-12-58	1825-2110	260	gy.M.	84	--	40' flat trawl	
456	21°27'	80°06'	6-13-58	2340-0040	220	gy.M.	80	--	40' flat trawl	
457	21°41'	80°05'	6-13-58	0200-0400	200	gy.M.	--	--	40' flat trawl	
458	21°42'	80°10'	6-13-58	0515-0715	120	gy.M.	80	--	40' flat trawl	
459	21°40'	80°13'	6-13-58	0750-0950	100	gy.M.	80	--	40' flat trawl	
460	21°38'	80°14'	6-13-58	1025-1125	75	gy.M.	93	--	40' flat trawl	
461	21°38'	80°16'	6-13-58	1205-1305	50	gy.M.Co.	92	--	40' flat trawl	
462	20°20'	79°55'	6-13-58	1915-2200	300	Co.S.	80	--	40' flat trawl	
463	21°59'	80°11'	6-15/16-58	2320-0210	180	gn.M.	--	--	40' flat trawl	
464	21°55'	80°10'	6-16-58	0315-0615	200	M.	75	--	40' flat trawl	
465	21°56'	80°12'	6-16-58	0900-1200	200	M.	79	--	65' flat trawl	
466	21°57'	80°10'	6-16-58	1415-1720	--	M.	82	--	96/126' balloon set	
467	21°50'	80°11'	6-16-58	1830-2130	180	M.	--	--	96/126' balloon net	
468	21°46'	80°12'	6-16/17-58	2335-0340	180	M.	79	--	65' balloon trawl	
469	21°36'	80°10'	6-17-58	0350-0710	190-200	M.	80	--	65' balloon trawl	
470	21°48'	80°12'	6-17-58	1020-1320	190-200	M.	92	--	65' balloon trawl	
471	21°38'	80°09'	6-17-58	1415-1715	175-180	M.	85	--	65' balloon trawl	
472	21°26'	80°08'	6-17-58	1810-2110	180-200	gn.M.	--	--	65' balloon trawl	
473	21°01'	80°10'	6-18-58	0120-0420	180	M.	80	--	65' balloon trawl	
474	21°52'	80°10'	6-18-58	0510-0810	200	--	--	--	65' balloon trawl	
475	21°11'	80°10'	6-18-58	1130-1440	180	M.	82	--	65' balloon trawl	
476	21°00'	80°10'	6-18-58	1535-1835	180	M.	85	--	65' balloon trawl	
477	21°00'	80°10'	6-18-58	2020-2320	180	gn.M.	--	--	65' balloon trawl	
478	21°53'	80°12'	6-18-58	0020-0420	180	M.	60	--	65' balloon trawl	
479	21°44'	80°11'	6-18-58	0605-0905	180	--	84	--	65' balloon trawl	
480	21°00'	80°12'	6-19-58	1205-1505	180	M.	84	--	65' balloon trawl	
481	21°54'	80°11'	6-19-58	1545-1845	180	gn.M.	--	--	65' balloon trawl	
482	21°00'	80°10'	6-19/20-58	2125-2425	180	--	78	--	65' balloon trawl	
483	21°56'	80°10'	6-20-58	--	--	--	--	--	Dip station	
484	21°04'	80°11'	6-20-58	0515-0815	180	--	--	--	80' balloon net	
485	21°01'	80°10'	6-20-58	0910-1210	180	--	84	--	80' balloon net	
486	21°56'	80°11'	6-20-58	1340-1640	180-200	--	84	--	80' balloon net	
487	21°51'	80°11'	6-20-58	1740-2040	180	gn.M.	--	--	85' balloon trawl	
488	21°46'	80°11'	6-20/21-58	2140-0040	180-190	gn.M.	78	--	80' balloon trawl	
489	21°45'	80°10'	6-21-58	0340-0640	180-190	gn.M.	--	--	85' balloon trawl	
490	21°43'	80°11'	6-21-58	0730-1030	180	gn.M.	--	--	85' balloon trawl	
491	21°58'	80°11'	6-21-58	1325-1625	180-190	M.	84	--	85' balloon trawl	
492	21°52'	80°11'	6-21-58	1710-2010	180	gn.M.	--	--	85' balloon trawl	
493	21°55'	80°11'	6-22-58	0030-0330	180	M.	--	--	80' balloon trawl	
494	21°52'	80°11'	6-22-58	0530-0830	180	M.	80	--	85' balloon trawl	
495	21°43'	80°11'	6-22-58	0910-1215	180	gn.M.	--	--	85' balloon trawl	
496	21°58'	80°11'	6-22-58	1455-1755	180	gn.M.	--	--	85' balloon trawl	
497	21°40'	80°11'	6-22-58	1840-2140	180	gn.M.	--	--	85' balloon trawl	
498	21°28'	80°14'	6-23-58	1820-1850	4-6	S.Sb.	--	--	40' flat trawl	
499	21°25'	80°12'	6-23-58	1905-1935	5-7	S.Sb.	--	--	40' flat trawl	
500	21°27'	80°01'	6-24-58	0335-0360	10-15	--	--	--	40' flat trawl	

Table 4.-M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
				Fathoms		° F.	° F.	° F.		
501	24° 53'	80° 34'	6-27-58	2205-2305	14-15	--	--	--	--	40' flat trawl
502	24° 50'	80° 07'	6-27-58	2325-0025	15	S.Sh.	--	--	--	40' flat trawl
503	24° 44'	80° 47'	6-28-58	0155-0210	15	--	--	--	--	40' flat trawl
504	26° 22'	82° 05'	7-19-58	0712-0727	4	M.Sh.	83	84	--	2 quahog dredges
505	26° 23'	82° 05'	7-19-58	0742-0623	4-2½	M.S.	83	84	--	2 quahog dredges
506	26° 24'	82° 04'	7-19-58	0837-0920	2½	M.S.	84	84	--	2 quahog dredges
507	26° 24'	82° 02'	7-19-58	0935-1005	3	M.S.	85	84	--	2 quahog dredges
508	26° 25'	81° 58.5'	7-19-58	1020-1050	3	M.S.	85	84	--	2 quahog dredges
509	26° 24'	81° 55.5'	7-19-58	--	3	M.S.	85	84	--	2 quahog dredges
510	26° 23'	81° 55'	7-19-58	1205-1235	3	M.S.	84	84	--	2 quahog dredges
511	26° 21'	81° 54'	7-18-58	1305-1335	3	M.S.	85	84	86.45	2 quahog dredges
512	26° 14'	81° 49'	7-19-58	1435-1450	3	M.S.	84	84	--	2 quahog dredges
513	26° 08'	81° 50'	7-19-58	1520-1535	--	--	84	--	--	2 quahog dredges
514	26° 07'	81° 50'	7-19-58	1545-1600	3	--	--	84	--	2 quahog dredges
515	26° 05.5'	81° 48.5'	7-18-58	1620-1650	--	--	82	84	84	1 quahog dredge
516	25° 56.6'	81° 47'	7-18-58	1603-1820	4	--	--	84	--	1 quahog dredge
517	25° 56.5'	81° 46'	7-20-58	0605-0620	3	M.S.Sh.	80	84	--	2 quahog dredges
518	25° 56'	81° 46.5'	7-20-58	0635-0650	3	M.S.Sh.	--	84	--	2 quahog dredges
519	25° 55.5'	81° 45'	7-20-58	0710-0720	3	M.S.Sh.	84	84	--	2 quahog dredges
520	25° 56'	81° 46.5'	7-20-58	0735-0750	3	M.S.Sh.	80	84	--	2 quahog dredges
521	25° 55.5'	81° 44.5'	7-20-58	0800-0815	3	M.S.Sh.	96	84	86.45	2 quahog dredges
522	25° 56.5'	81° 46.5'	7-20-58	0832-0835	3	M.S.Sh.	96	84	--	2 quahog dredges
523	25° 54.5'	81° 44.5'	7-20-58	0810-0925	3	S.	84	84	--	2 quahog dredges
524	25° 53.5'	81° 45'	7-20-58	0945-1000	3	S.	--	84	--	2 quahog dredges
525	25° 53.5'	81° 43'	7-20-58	1010-1025	3	S.	82	84	--	2 quahog dredges
526	25° 50.5'	81° 43'	7-20-58	1040-1055	3-20	S.	80	84	86.45	2 quahog dredges
527	25° 51'	81° 46'	7-20-58	1115-1130	3.5-25	M.S.Sh.	88	84	--	1 quahog dredge
528	25° 53'	81° 46'	7-20-58	1205-1220	4	M.S.	92	84	--	2 quahog dredges
529	25° 56'	81° 46'	7-20-58	1250-1305	--	S.Sh.	90	84	--	2 quahog dredges
530	25° 56.5'	81° 46'	7-20-58	1315-1330	3½	S.Sh.	90	84	--	2 quahog dredges
531	25° 56.5'	81° 45.5'	7-20-58	1340-1400	3	M.Sh.	68	84	--	2 quahog dredges
532	25° 56.5'	81° 46'	7-20-58	1410-1435	--	M.Sh.	--	84	--	2 quahog dredges
533	25° 58'	81° 46.5'	7-20-58	1450-1510	3	M.Sh.	--	84	--	2 quahog dredges
534	26° 01'	81° 46.5'	7-20-58	1540-1555	3	M.Sh.	88	84	--	2 quahog dredges
535	26° 03'	81° 48'	7-20-58	1620-1635	3	M.S.Sh.	--	84	--	2 quahog dredges
536	26° 25'	82° 02'	7-21-58	0550-0605	3	M.Sh.	86	85	85.5	2 quahog dredges
537	26° 25.5'	82° 03'	7-21-58	0615-0630	3	M.Sh.	--	84	--	2 quahog dredges
538	26° 25'	82° 03.5'	7-21-58	0640-0655	3	M.Sh.	68	84	--	2 quahog dredges
539	26° 25.5'	82° 05.5'	7-21-58	0715-0730	3	M.Sh.	--	84	--	1 quahog dredge
540	26° 25.5'	82° 07.5'	7-21-58	0755-0810	3	S.	90	84	--	2 quahog dredges
541	26° 29'	82° 12'	7-21-58	0835-0850	3	S.	--	84	--	2 quahog dredges
542	26° 33.5'	82° 14'	7-21-58	0920-0935	3	S.	--	84	--	2 quahog dredges
543	26° 42'	82° 19.5'	7-21-58	1100-1115	22	S.	--	84	87.8	2 quahog dredges
544	26° 54'	82° 21'	7-21-58	1245-1300	20	S.Sh.	85	84	--	2 quahog dredges
545	26° 55'	82° 22'	7-21-58	1310-1325	20	S.Co.	94	84	--	2 quahog dredges
546	27° 00.5'	82° 25'	7-21-58	1410-1425	20	M.S.Sh.	--	84	--	2 quahog dredges
547	27° 01'	82° 25.5'	7-21-58	1440-1510	20	M.S.Sh.	--	84	--	2 quahog dredges
548	27° 01'	82° 25.5'	7-21-58	1520-1550	20	M.S.Sh.	--	84	--	2 quahog dredges
549	27° 41.5'	82° 47'	7-22-58	0600-0630	22	Co.S.	84	87	87	2 quahog dredges
550	27° 43.5'	82° 47'	7-22-58	0645-0700	20	--	84	87	--	2 quahog dredges
551	27° 43.5'	82° 46.5'	7-22-58	0720-0740	20	M.S.Sh.	--	87	--	2 13-tooth quahog dredges
552	27° 42.5'	82° 46.5'	7-22-58	0755-0810	20	M.S.Sh.	85	87	--	2 13-tooth quahog dredges
553	27° 42'	82° 46'	7-22-58	0820-0835	20	M.S.Sh.	86	87	87.8	2 13-tooth quahog dredges
554	27° 43'	82° 47.5'	7-22-58	0905-0925	--	M.S.Sh.	--	87	--	2 13-tooth quahog dredges
555	27° 42'	82° 47.5'	7-23-58	0840-0855	20	M.S.Sh.	--	87	--	1 13-tooth quahog dredge
556	27° 43.5'	82° 46.5'	7-23-58	0910-0925	--	M.S.Sh.	88	87	--	2 13-tooth quahog dredges
557	27° 43.5'	82° 46.5'	7-23-58	0940-0955	20	M.S.Sh.	--	88.7	88.25	2 13-tooth quahog dredges
558	27° 43.5'	82° 46.5'	7-23-58	1005-1020	20	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
559	27° 42'	82° 46'	7-23-58	1035-1050	20	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
560	27° 42'	82° 47.5'	7-23-58	1100-1115	25	M.S.Sh.	30	88	--	1 13-tooth quahog dredge
561	27° 02'	82° 66'	7-23-58	1710-1715	--	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
562	27° 02'	82° 26'	7-24-58	0515-0530	22	M.S.Sh.	82	88	88	1 13-tooth quahog dredge
563	27° 03'	82° 27'	7-24-58	0535-0540	22	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
564	27° 08'	82° 28.5'	7-24-58	0620-0635	22	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
565	27° 12.5'	82° 31.5'	7-24-58	0725-0740	19	S.Sh.	--	88	--	1 13-tooth quahog dredge
566	27° 15'	82° 34.5'	7-24-58	0810-0825	18	S.	--	88	--	1 13-tooth quahog dredge
567	27° 20'	82° 36.5'	7-24-58	0850-0895	18	hrd.S.	92	88	--	1 13-tooth quahog dredge
568	27° 23.5'	82° 39'	7-24-58	0940-0955	19	--	92	88	--	1 13-tooth quahog dredge
569	27° 30'	82° 43'	7-24-58	1035-1050	22	hrd.S.	92	88	--	1 13-tooth quahog dredge
570	27° 28.5'	82° 43.5'	7-24-58	--	--	hrd.S.	95	--	--	2 13-tooth quahog dredges
571	28° 09'	82° 53'	7-24-58	1550-1605	--	S.	--	88.7	87.2	1 13-tooth quahog dredge
572	28° 13'	82° 53'	7-24-58	1700-1715	23	S.	--	88.7	--	1 13-tooth quahog dredge
573	28° 06'	84° 47'	7-25-58	0630-0645	18	S.Sh.	--	84	--	8' scallop dredge
574	28° 01'	84° 56'	7-25-58	0740-0810	15	S.	--	84	--	8' scallop dredge
575	28° 24'	85° 01'	7-25-58	1025-1055	10	gy.S.	77	84	--	8' scallop dredge
576	28° 25'	84° 58'	7-25-58	1110-1155	10	S.	88	84	--	8' scallop dredge
577	28° 26'	84° 54'	7-25-58	1200-1230	10	S.	85	84	78.6	8' scallop dredge
578	28° 28'	84° 53'	7-25-58	1240-1310	10	S.	84	84	--	8' scallop dredge
579	28° 29'	84° 49'	7-25-58	1320-1350	10	S.	--	84	--	8' scallop dredge
580	28° 50'	84° 46'	7-25-58	1405-1435	10	S.	--	84	--	8' scallop dredge
581	28° 51'	84° 44'	7-25-58	1445-1515	10	Co.Sp.	85	84	--	8' scallop dredge
582	28° 53'	84° 39'	7-25-58	1525-1555	10	--	--	84	--	8' scallop dredge
583	28° 25'	84° 37'	7-25-58	1640-1710	15	gy.S.	85	84	--	8' scallop dredge
584	28° 24'	84° 40'	7-25-58	1730-1800	15	gy.S.	84	84	--	8' scallop dredge
585	28° 21'	84° 41'	7-25-58	1810-1840	15	S.	--	84	--	8' scallop dredge
586	28° 22'	84° 44'	7-25-58	0535-0605	15	S.	--	82	84	8' scallop dredge
587	28° 21'	84° 49'	7-26-58	0650-0730	15	S.	--	82	84	8' scallop dredge
588	28° 15'	84° 55'	7-26-58	0810-0840	15	S.	--	85	84	8' scallop dredge
589	28° 10'	85° 00'	7-26-58	0925-0940	15	S.	--	84	--	8' scallop dredge
590	28° 10'	85° 07'	7-26-58	1025-1055	15	S.	--	88	84	8' scallop dredge
591	28° 13'	85° 11'	7-26-58	1140-1210	15	S.	--	88	84	8' scallop dredge
592	28° 15'	85° 17'	7-26-58	1255-1310	17	S.	--	84	--	8' scallop dredge
593	28° 24'	85° 21'	7-26-58	1410-1420	15	S.	--	86	84	8' scallop dredge
594	28° 29'	85° 20'	7-26-58	1535-1550	13	S.	--	85	--	8' scallop dredge
595	28° 27'	85° 30'	7-26-58	1820-1835	10	S.	--	86	85	8' scallop dredge
596	28° 28'	85° 32'	7-27-58	0530-0600	11-8	S.	--	88	85	8' scallop dredge
597	28° 23'	85° 36'	7-27-58	0625-0640	10	gy.S.	88	85	--	8' scallop dredge
598	28° 29'	85° 36'	7-27-58	0725-0740	10	gy.S.	88	85	--	8' scallop dredge
599	28° 32'	85° 38'	7-27-58	0830-0845	15	gy.S.	90	85	--	8' scallop dredge
600	28° 36'	85° 32'	7-27-58	0830-0845	10	gy.S.	90	85	--	8' scallop dredge

Table 4---M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
			Fathoms				° F.	° F.	° F.	
601	29°42'	85°31'	7-27-58	0925-0940	10	gy.S.	--	85	--	8' scallop dredge
602	29°44.5'	85°28.5'	7-27-58	1010-1040	10	gy.S.	--	85	--	8' scallop dredge
603	29°46.5'	85°29.5'	7-27-58	--	10	S.	--	85	--	8' scallop dredge
604	29°48'	85°29.5'	7-27-58	1130-1200	6	S.	90	85	--	8' scallop dredge
605	29°48.5'	85°30.5'	7-27-58	1230-1300	10	S.	--	85	--	8' scallop dredge
606	29°45.5'	85°31'	7-27-58	1335-1350	11	S.	--	85	--	8' scallop dredge
607	29°44'	85°30'	7-27-58	1405-1435	11	S.	--	85	--	8' scallop dredge
608	29°42.5'	85°37'	7-27-58	1530-1600	15	gy.S.	--	85	--	8' scallop dredge
609	29°49'	85°37'	7-27-58	1650-1720	11	gy.S.	--	85	--	8' scallop dredge
610	29°48.5'	85°32'	7-28-58	0535-0550	12	gy.S.	82	--	83.5	8' scallop dredge
611	29°49.5'	85°32'	7-28-58	0620-0625	12	S.	88	85	--	8' scallop dredge
612	29°51'	85°35'	7-28-58	0710-0725	13	S.	90	85	--	8' scallop dredge
613	29°28'	85°56.5'	7-28-58	0830-0845	10	S.	--	85	--	8' scallop dredge
614	29°56'	85°41'	7-28-58	0930-0945	11	S.	--	85	--	8' scallop dredge
615	29°57'	85°56.5'	7-28-58	1010-1025	--	S.	--	85	--	8' scallop dredge
616	29°54.5'	85°43'	7-28-58	1130-1200	15	gy.S.	--	85	--	8' scallop dredge
617	29°49'	85°42'	7-28-58	1235-1305	13	S.	--	85	--	8' scallop dredge
618	29°49.5'	85°53.5'	7-28-58	1335-1355	12	S.	--	85	--	8' scallop dredge
619	29°53'	85°35'	7-28-58	1440-1510	12	S.	--	85	--	8' scallop dredge
620	29°58.5'	85°37'	7-28-58	1550-1620	11	S.	--	85	--	8' scallop dredge
621	30°02.5'	85°43'	7-28-58	1710-1750	11	S.	--	85	--	8' scallop dredge
622	29°41'	85°22.5'	7-29-58	0835-0850	20	S.	--	--	--	Quahog dredge
623	29°40'	85°22'	7-29-58	0900-0915	20	S.	--	--	--	Quahog dredge
624	29°43'	85°23.5'	7-29-58	0950-1015	20	S.	92	--	--	Quahog dredge
625	29°48'	85°25'	7-29-58	1040-1055	20	S.	92	--	--	Quahog dredge
626	29°43.5'	85°31.5'	7-29-58	1205-1235	--	S.	--	85	--	8' scallop dredge
627	29°51'	85°32.5'	7-29-58	1245-1330	11	S.	--	85	--	8' scallop dredge
628	29°58'	85°33'	7-29-58	1505-1520	20	S.	--	84	--	Quahog dredge
629	30°04.5'	85°40'	7-29-58	1645-1715	--	S.	--	84	--	Quahog dredge
630	30°05'	85°42.5'	7-29-58	--	20	S.	--	84	--	Quahog dredge
631	30°10'	85°49.5'	7-30-58	0550-0620	20	S.	82	84	--	Quahog dredge
632	30°11.5'	85°50.5'	7-30-58	0625-0655	21	S.	--	84	--	Quahog dredge
633	30°13'	85°53'	7-30-58	0700-0730	--	S.	--	84	--	Quahog dredge
634	30°14'	85°55.5'	7-30-58	0740-0810	20	S.	--	85	--	Quahog dredge
635	30°15'	85°57'	7-30-58	0820-0850	20	S.	--	84	--	Quahog dredge
636	30°16'	85°59.5'	7-30-58	0900-0930	20	S.	--	84	--	Quahog dredge
637	30°16.5'	85°02'	7-30-58	0940-1005	20	S.	--	84	--	Quahog dredge
638	30°17.5'	85°04'	7-30-58	1015-1120	20	S.	--	84	--	Quahog dredge
639	30°21'	85°14'	7-30-58	1215-1245	20	S.	--	84	--	Quahog dredge
640	30°22'	85°22'	7-30-58	1320-1335	--	S.	--	85	--	Quahog dredge
641	30°22'	85°21.5'	7-30-58	1340-1355	20	S.	--	84	--	Quahog dredge
642	30°22.5'	85°24.5'	7-30-58	1420-1450	20	S.	--	84	--	Quahog dredge
643	30°22.5'	85°25.5'	7-30-58	1505-1530	20	S.	--	--	--	Quahog dredge
644	30°23'	85°32.5'	7-30-58	1600-1630	20	S.	--	--	--	Quahog dredge
645	30°23'	85°37'	7-30-58	1655-1725	20	S.	--	84	--	Quahog dredge
646	30°23'	85°39.5'	7-30-58	1735-1805	25	S.	--	84	--	Quahog dredge
647	30°21'	85°41.5'	7-31-58	0535-0610	11	S.	86	--	--	8' scallop dredge
648	30°18.5'	85°37'	7-31-58	0635-0710	11	S.	86	83	--	8' scallop dredge
649	30°17.5'	85°30.5'	7-31-58	0735-0805	13	S.	--	83	--	8' scallop dredge
650	30°18.5'	85°27.5'	7-31-58	0835-0855	13	S.	--	83	--	8' scallop dredge
651	30°16'	85°26.5'	7-31-58	0930-1000	15	S.	--	84	--	8' scallop dredge
652	30°08'	85°23.5'	7-31-58	1055-1125	20	S.	--	83	--	8' scallop dredge
653	30°08'	85°25'	7-31-58	1135-1220	20	S.	--	84	--	8' scallop dredge
654	30°08'	85°30'	7-31-58	1250-1320	--	S.	--	85	--	8' scallop dredge
655	30°08'	85°34.5'	7-31-58	1355-1425	20	gy.S.	--	85	--	8' scallop dredge
656	30°11.5'	85°38'	7-31-58	1500-1545	15	gy.S.	--	85	--	8' scallop dredge
657	30°12'	85°43'	7-31-58	1625-1655	15	gy.S.	--	85	--	8' scallop dredge
658	30°10'	85°44'	7-31-58	--	15	gy.S.	--	85	--	8' scallop dredge
659	30°13'	85°58'	8-1-58	0550-0620	14	gy.S.	85	84	--	8' scallop dredge
660	30°07'	85°01'	8-1-58	0650-0720	16	gy.S.	85	84.5	--	8' scallop dredge
661	30°05'	85°03'	8-1-58	0750-0820	19	gy.S.	--	84.5	--	8' scallop dredge
662	30°02.5'	85°07'	8-1-58	0850-0920	20	gy.S.	--	85	--	8' scallop dredge
663	29°59'	85°11'	8-1-58	0950-1020	20	gy.S.	--	85	--	8' scallop dredge
664	29°58.5'	85°15.5'	8-1-58	1050-1120	20	gy.S.	--	87	--	8' scallop dredge
665	30°03'	85°23.5'	8-1-58	1205-1235	15	gy.S.	--	87	--	8' scallop dredge
666	30°05'	85°25'	8-1-58	1310-1340	14	gy.S.	--	87	--	8' scallop dredge
667	30°08'	85°28'	8-1-58	1415-1445	14	gy.S.	--	87	--	8' scallop dredge
668	30°12'	85°31'	8-1-58	1520-1550	12	gy.S.	--	88	--	8' scallop dredge
669	30°10'	85°35'	8-1-58	1625-1710	8	gy.S.	--	88	--	8' scallop dredge
670	30°08'	85°39'	8-1-58	1750-1800	--	gy.S.	--	87	--	8' scallop dredge
671	30°09'	85°43'	8-2-58	0530-0600	8	gy.S.	--	85	--	8' scallop dredge
672	30°08'	85°48'	8-2-58	0620-0650	9	gy.S.	--	85	--	8' scallop dredge
673	30°06.5'	85°49'	8-2-58	0720-0750	9	gy.S.	85	85	--	8' scallop dredge
674	30°01'	85°55'	8-2-58	0825-0855	14	gy.S.	84	85	--	8' scallop dredge
675	30°00'	85°58'	8-2-58	0920-0950	16	gy.S.	--	85	--	8' scallop dredge
676	29°57.5'	85°05'	8-2-58	1035-1105	16	gy.S.	--	86	--	8' scallop dredge
677	29°58'	85°08'	8-2-58	1130-1200	17	gy.S.	--	--	--	8' scallop dredge
678	29°58.5'	85°13'	8-2-58	1230-1300	--	gy.S.	--	86	--	8' scallop dredge
679	29°55'	85°17'	8-2-58	1335-1405	18	gy.S.	92	86	--	8' scallop dredge
680	29°53'	85°21'	8-2-58	--	18	gy.S.	--	86	--	8' scallop dredge
681	29°51'	85°28'	8-2-58	1535-1605	17	gy.S.	--	86	--	8' scallop dredge
682	29°50'	85°33'	8-2-58	1630-1700	15	gy.S.	--	86	--	8' scallop dredge
683	29°48'	85°36'	8-2-58	1725-1800	12	gy.S.	--	--	--	8' scallop dredge
684	30°44'	85°51'	8-3-58	0515-0525	20	hrd.S.	--	--	--	Quahog dredge
685	30°45'	85°50'	8-3-58	0530-0545	18	M.	--	85	--	Quahog dredge
686	29°47'	85°50'	8-3-58	0555-0610	20	S.M.	84	85	--	Quahog dredge
687	29°48'	85°50'	8-3-58	0620-0640	20	S.	--	85	--	Quahog dredge
688	29°48.5'	85°48.5'	8-3-58	0650-0705	--	S.M.	--	85	--	Quahog dredge
689	29°49'	85°49.5'	8-3-58	0715-0730	20	S.	--	85	--	Quahog dredge
690	29°50'	85°50'	8-3-58	0745-0800	20	S.	88	85	--	Quahog dredge
691	29°51'	85°47.5'	8-3-58	0810-0825	20	S.	--	--	--	Quahog dredge
692	29°52'	85°47.5'	8-3-58	0835-0850	20	S.	--	85	--	Quahog dredge
693	29°54'	85°47.5'	8-3-58	0905-0920	20	S.	88	85	--	Quahog dredge
694	29°55'	85°47.5'	8-3-58	0930-0945	20	S.M.	88	85	--	Quahog dredge
695	29°56'	85°47.5'	8-3-58	0955-1010	20	S.	--	85	--	Quahog dredge
696	29°57.5'	85°48'	8-3-58	1015-1030	20	S.	--	85	--	Quahog dredge
697	29°58'	85°48.5'	8-3-58	1035-1050	22	S.	--	85	--	Quahog dredge
698	29°59'	85°48'	8-3-58	1100-1115	20	S.	90	85	--	Quahog dredge
699	30°00'	85°48'	8-3-58	1150-1205	22	S.	90	85	--	Quahog dredge
700	30°01.5'	85°48'	8-3-58	1210-1225	22	S.	--	85	--	Quahog dredge

Table 4--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
				Fathoms		° F.	° F.	° F.		
701	30° 02.5'	88° 50'	8-3-58	1230-1245	22	S.	80	86	--	Quahog dredge
702	30° 03'	88° 51'	8-3-58	--	22	S.	--	86	--	Quahog dredge
703	30° 14'	88° 41'	8-3-58	1510-1525	22	S.M.	76	79	--	Quahog dredge
704	30° 13'	88° 40'	8-3-58	1530-1545	22	S.M.	--	79	--	Quahog dredge
705	30° 13'	88° 38'	8-3-58	1555-1615	22	S.	--	79	--	Quahog dredge
706	29° 03'	88° 20'	8-3-58	0830-0940	33-30	Co.S.	86	83	--	52' roller trawl
707	29° 00'	88° 25'	8-3-58	--	30	Co.S.	88	83	--	52' roller trawl
708	28° 02'	88° 17'	8-3-58	1220-1320	30-35	Co.S.	88	84	--	52' roller trawl
709	28° 55'	88° 10'	8-3-58	1435-1540	31-30	Co.S.	88	84	--	52' roller trawl
710	28° 50'	88° 07'	8-3-58	1720-1830	27	Co.S.	88	84	--	52' roller trawl
711	28° 09'	88° 09'	9-1-58	0550-0700	25	Co.S.	84	86	--	52' roller trawl
712	28° 13'	88° 09'	9-1-58	0725-0840	25-22	--	84	84	--	52' roller trawl
713	28° 14'	88° 02'	9-1-58	0930-1030	21	--	84	84	--	52' roller trawl
714	28° 12'	88° 50'	9-1-58	1145-1245	22-20	Co.S.	88	84	--	52' roller trawl
715	28° 10'	88° 44'	9-1-58	1330-1430	20	Co.S.	88	84	--	52' roller trawl
716	28° 10'	88° 38'	9-1-58	1455-1555	19-17	Co.S.	88	84	--	52' roller trawl
717	28° 07'	88° 35'	9-1-58	1640-1725	17	Co.S.	88	85	--	52' roller trawl
718	28° 00'	88° 27'	9-1-58	1840-1840	17	Co.S.	86	84	--	52' roller trawl
719	27° 56'	88° 23'	9-2-58	0640-0740	16	Co.S.	82	86	--	52' roller trawl
720	27° 56'	88° 17'	9-2-58	0830-0930	13	Co.S.	86	86	--	52' roller trawl
721	27° 56'	88° 10'	9-2-58	1025-1125	10	Co.S.	90	87	--	52' roller trawl
722	27° 51'	88° 05'	9-3-58	1210-1310	9	Co.S.	90	87	--	52' roller trawl
723	27° 45'	88° 01'	9-3-58	1620-1720	8	--	84	87	--	52' roller trawl
724	27° 44'	88° 15'	9-3-58	0545-0640	15	--	82	83	--	52' roller trawl
725	27° 40'	88° 17'	9-3-58	0705-0805	15	Co.S.	86	84	--	52' roller trawl
726	27° 12'	88° 14'	9-5-58	1400-1500	21	S.Sb.	95	86	--	52' roller trawl
727	27° 05'	88° 19'	9-5-58	1555-1653	24	S.Sb.	95	86	--	52' roller trawl
728	27° 02'	88° 22'	9-5-58	1730-1830	24-27	S.Sb.	82	86	--	52' roller trawl
729	26° 58'	88° 28'	9-5-58	1925-2025	30-31	S.Sb.	80	--	--	52' roller trawl
730	26° 57'	88° 31'	9-5-58	2050-2150	31	S.Sb.	80	--	--	52' roller trawl
731	26° 55'	88° 33'	9-6-58	0532-0632	34-37	--	84	83	--	52' roller trawl
732	26° 52'	88° 43'	9-6-58	0715-0815	40	--	85	85	--	52' roller trawl
733	26° 43'	88° 47'	9-6-58	0915-1015	45-48	S.Sb.	84	85	--	52' roller trawl
734	26° 43'	88° 55'	9-6-58	1040-1150	49	S.Sb.	86	84	--	52' roller trawl
735	26° 34'	88° 37'	9-6-58	1430-1530	35	S.Sb.	90	86	--	52' roller trawl
736	26° 35'	88° 31'	9-6-58	1625-1725	34	Co.Sb.	88	85	--	52' roller trawl
737	26° 31'	88° 21'	9-6-58	1820-1920	30	S.Sp.	86	85	--	52' roller trawl
738	26° 29'	88° 11'	9-6-58	2055-2155	28-27	--	84	85	--	52' roller trawl
739	26° 25'	88° 05'	9-7-58	0535-0630	25-23	--	85	86	--	52' roller trawl
740	26° 22'	88° 07'	9-7-58	0710-0800	26-24	Co.Sb.	85	86	--	52' roller trawl
741	26° 24.5'	88° 02'	9-7-58	0815-0850	24	S.Sp.	85	86	--	52' roller trawl
742	26° 21'	88° 59'	9-7-58	1040-1120	23	S.Sp.	86	86	--	52' roller trawl
743	26° 21'	88° 55'	9-7-58	1218-1305	22-20	S.Sp.	92	86	--	52' roller trawl
744	26° 20'	88° 50'	9-7-58	1343-1443	20	S.Sb.	92	86	--	52' roller trawl
745	26° 15'	88° 44'	9-7-58	1545-1615	19	hrd.S.	96	86	--	52' roller trawl
746	25° 57'	88° 05'	9-8-58	0550-0625	29	S.C.	84	86	--	52' roller trawl
747	25° 53.5'	88° 04.5'	9-8-58	0710-0810	31	S.C.	84	85	--	52' roller trawl
748	25° 39'	88° 01.5'	9-8-58	0945-1015	30	S.Sp.	91	85	--	52' roller trawl
749	25° 29'	88° 00'	9-8-58	1150-1220	30-28	Co.Sb.	94	87	--	52' roller trawl
750	25° 25'	88° 57'	9-8-58	1245-1345	28-30	S.C.	90	87	--	52' roller trawl
751	25° 31'	88° 02'	9-8-58	1410-1510	31	Co.S.	94	87	--	52' roller trawl
752	25° 22'	88° 08'	9-8-58	1610-1720	34	Co.S.	88	86	--	52' roller trawl
753	25° 21'	88° 12'	9-8-58	1807-1907	35	Co.S.	84	86	--	52' roller trawl
754	25° 27'	88° 08'	9-9-58	--	32	S.C.	84	86	--	52' roller trawl
755	25° 18'	88° 05'	9-8-58	0830-0930	32-31	S.Sb.	30	84	--	52' roller trawl
756	25° 11'	88° 53'	9-8-58	--	27	S.Sb.	89	86	--	52' roller trawl
757	25° 06'	88° 50'	9-8-58	1245-1345	26	Co.S.	90	87	--	52' roller trawl
758	25° 05'	88° 00'	9-8-58	1458-1558	30	--	88	84	--	52' roller trawl
759	25° 04'	88° 08'	9-8-58	1652-1752	33-35	S.Sb.	84	84	--	52' roller trawl
760	25° 03'	88° 17'	9-9-58	1900-2000	37	S.	84	84	--	52' roller trawl
761	25° 30'	88° 02'	9-10-58	0530-0630	32	Sh.C.	83	83	--	52' roller trawl
762	25° 29'	88° 00'	9-10-58	0700-0810	31	S.	86	85	--	52' roller trawl
763	25° 22'	88° 55'	9-10-58	--	30	S.	86	85	--	52' roller trawl
764	25° 23'	88° 53'	9-10-58	1030-1100	23	S.C.	82	85	--	52' roller trawl
765	25° 25'	88° 52'	9-10-58	1125-1225	26	S.	86	85	--	52' roller trawl
766	25° 27'	88° 52.5'	9-10-58	1310-1410	26	S.C.	92	85	--	52' roller trawl
767	25° 35'	88° 05'	9-10-58	--	28	S.Sb.	88	86	--	52' roller trawl
768	25° 38'	88° 07'	9-10-58	1705-1815	23	S.	82	85	--	52' roller trawl
769	26° 20'	88° 52'	9-11-58	0540-0640	59-65	Co.Sb.	85	85	--	52' roller trawl
770	26° 27'	88° 02'	9-11-58	0830-0940	74-80	S.	86	85	--	52' roller trawl
771	26° 31.5'	88° 13.5'	8-11-58	1110-1220	30	S.Sb.	88	86	--	52' roller trawl
772	26° 51'	88° 43'	8-11-58	1628-1735	36	S.Sb.	90	85	--	52' roller trawl
773	26° 54'	88° 42'	8-11-58	1830-1930	32	S.Sb.	82	85	--	52' roller trawl
774	27° 05'	88° 41'	8-11-58	2105-2205	30	S.Sb.	82	85	--	52' roller trawl
775	27° 42'	88° 11'	8-12-58	0540-0640	30	S.Sb.	85	86	--	52' roller trawl
776	27° 42'	88° 07'	8-12-58	0750-0850	34-33	Co.S.	86	85	--	52' roller trawl
777	27° 40'	88° 53'	8-12-58	1025-1125	26	S. Sh.	85	85	--	52' roller trawl
778	27° 35'	88° 38.5'	8-12-58	1310-1410	24	Co.S.	86	85	--	52' roller trawl
779	28° 24'	88° 26'	9-15-58	0542-0642	30-29	S.	82	84	--	52' roller trawl
780	28° 31.5'	88° 25'	9-15-58	0750-0850	22	S.	86	85	--	52' roller trawl
781	28° 38.5'	88° 28'	9-15-58	0940-1040	20	S.	86	85	--	52' roller trawl
782	28° 48'	88° 33'	9-15-58	1150-1250	21	S.	88	85	--	52' roller trawl
783	28° 52'	88° 39'	9-15-58	1355-1440	21	M.	92	86	--	52' roller trawl
784	28° 53'	88° 10'	9-16-58	0550-0650	40-45	Co.S.	84	86	--	52' roller trawl
785	28° 50'	88° 18'	9-16-58	0800-0825	40	M.	84	85	--	52' roller trawl
786	28° 46'	88° 21'	9-16-58	1305-1405	45-40	Co.S.	88	86	--	52' roller trawl
787	28° 42'	88° 23'	8-16-58	1457-1600	38	M.	88	83	--	52' roller trawl
788	28° 39'	88° 27'	8-16-58	1655-1755	35	M.	85	84	--	52' roller trawl
789	28° 38'	88° 37'	8-16-58	1840-1840	25	M.	84	85	--	52' roller trawl
790	28° 42'	88° 43'	8-17-58	0535-0635	20	S.	82	84	--	52' roller trawl
791	28° 39'	88° 47.5'	8-17-58	--	20	M.	85	83	--	52' roller trawl
792	28° 37'	88° 56.5'	8-17-58	0920-1020	22	M.	85	83	--	52' roller trawl
793	28° 35.5'	88° 05'	9-17-58	1100-1200	20	M.	88	84	--	52' roller trawl
794	28° 40.5'	88° 14'	9-17-58	1305-1350	20	M.	89	84	--	52' roller trawl
795	28° 44'	88° 18'	9-17-58	1425-1425	19	M.	90	85	--	52' roller trawl
796	28° 47'	88° 13'	9-17-58	--	20	M.	88	85	--	52' roller trawl
797	28° 23'	88° 53.5'	8-20-58	0645-0745	23-25	M.	84	86	--	52' roller trawl
798	28° 18'	88° 58.5'	8-20-58	0905-1005	34	M.	85	85	--	52' roller trawl
799	28° 14'	88° 03'	8-20-58	1135-1235	45	M.S.	87	86	--	52' roller trawl
800	28° 14'	88° 14'	8-20-58	--	45-42	M.S.	87	86	--	52' roller trawl

Table 4--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.						° F.	° F.	
Fathoms										
801	28°16'	91°26'	9-20-58	1625-1740	40-36	M.		84	84	--
802	28°02'	91°59'	9-21-58	1430-1530	42	M.		85	83	--
803	27°57'	91°00'	9-21-58	1555-1655	48	M.		85	83	--
804	28°02'	91°03'	9-21-58	1720-1830	48	M.		84	82	--
805	27°56.5'	91°15'	9-22-58	0620-0720	38	B.M.		82	82	--
806	27°56'	91°18'	9-22-58	0750-0850	44-46	M.		85	83	--
807	27°55'	91°21'	9-22-58	0915-1015	46	M.		85	84	--
808	27°54'	91°24'	9-22-58	1040-1155	40	M.		86	85	--
809	27°51'	91°27'	9-22-58	1210-1320	48	M.		86	85	--
810	27°48'	91°29'	9-22-58	1345-1445	50-42	M.S.		85	84	--
811	27°49'	91°34'	9-22-58	1510-1640	42	M.		85	85	--
812	27°46'	91°37'	9-22-58	1705-1830	48	M.		86	83	--
813	27°51'	91°53'	9-23-58	0555-0725	36-43	M.S.		84	83	--
814	27°45'	91°54.5'	9-23-58	0745-0915	44	M.S.		85	83	--
815	27°41'	91°57'	9-23-58	0950-1105	50-54	M.		86	83	--
816	27°42'	91°02'	9-23-58	1135-1305	50	M.		85	84	--
817	27°42'	91°08'	9-23-58	1350-1500	52	M.		87	85	--
818	27°40.5'	91°12'	9-23-58	1525-1655	46	M.		88	85	--
819	27°44'	91°07'	9-23-58	1717-1847	48	M.		86	84	--
820	27°42'	91°05'	9-24-58	0555-0725	52	M.S.		82	84	--
821	27°44'	91°04'	9-24-58	0745-0915	42	M.		88	85	--
822	27°45'	91°01'	9-24-58	0945-1100	44	M.		86	85	--
823	27°42'	91°58'	9-24-58	1125-1255	45	M.		88	85	--
824	27°44'	91°54'	9-24-58	1315-1445	40	M.		88	83	--
825	27°43.5'	91°50'	9-24-58	1508-1638	44	M.		88	83	--
826	27°45'	91°48'	9-24-58	1700-1720	42	M.		86	83	--
827	27°50'	91°49'	9-25-58	0545-0705	54	M.S.		82	84	--
828	27°45'	91°47'	9-25-58	0800-0930	42	M.		85	85	--
829	27°45'	91°44'	9-25-58	0950-1120	42	M.		86	86	--
830	27°46'	91°40'	9-25-58	1140-1310	42-44	M.		88	86	--
831	27°45'	91°42'	9-25-58	1415-1545	45	M.		88	86	--
832	27°46'	91°39'	9-25-58	1610-1750	45	M.		85	83	--
833	27°47'	91°36'	9-25-58	1810-1910	44	M.		85	83	--
834	28°02'	91°12'	9-26-58	0550-0720	30	M.S.		78	85	--
835	28°02'	91°16'	9-26-58	0745-0915	32	M.		83	83	--
836	28°02'	91°02'	9-26-58	0935-1105	35	M.		91	85	--
837	28°03'	91°58'	9-26-58	1125-1240	34	M.		91	85	--
838	28°03.5'	--	9-26-58	1300-1400	52	M.		94	85	--
839	28°04'	91°50'	9-26-58	1418-1518	52-53	M.		94	84	--
840	28°04.5'	91°47'	9-26-58	1538-1638	52	M.		90	85	--
841	21°24'	91°31'	11-16-58	0845-1015	25	S.		82	81	--
842	21°24'	91°28'	11-16-58	1040-1210	25	S.		84	83	--
843	20°01'	91°55'	11-17-58	0650-0820	36	M.S.		80	83	--
844	20°01'	91°47'	11-17-58	0840-0935	30	M.S.		82	83	--
845	19°31'	91°46'	11-17-58	1010-1140	26	CL.S.		85	83	--
846	19°55'	91°44'	11-17-58	1205-1335	25	CL.S.		82	83	--
847	19°58'	91°43'	11-17-58	1355-1455	22	CL.S.		82	83	--
848	20°01'	91°59'	11-17-58	1520-1820	21-24	CL.S.		84	83	--
849	20°04'	91°00'	11-17-58	1640-1840	24	CL.S.		82	83	--
850	20°04'	91°52'	11-18-58	0645-0745	26	CL.S.		82	83	--
851	20°07'	91°47'	11-18-58	0830-0940	26	M.B.Sp.		85	83	--
852	20°06'	91°51'	11-18-58	1000-1150	24	M.B.P.		84	83	--
853	20°07'	91°54'	11-18-58	1225-1330	24	M.B.P.		84	83	--
854	20°05'	91°51'	11-18-58	1525-1655	24	M.B.P.		86	83	--
855	20°06'	91°50'	11-18-58	1720-1845	24	M.B.P.		82	83	--
856	20°05'	91°59'	11-18-58	0650-0800	32	M.B.P.		80	83	--
857	20°07'	91°56'	11-19-58	0825-0955	27	M.B.P.		82	83	--
858	20°03'	91°56'	11-19-58	1020-1150	25	M.B.P.		84	83	82.4
859	20°05'	91°54'	11-19-58	1215-1345	26	M.B.P.		84	83	82.4
860	20°01'	91°54'	11-19-58	1415-1515	26	M.B.P.		90	85	--
861	19°58'	91°57'	11-19-58	1550-1710	28	M.S.		84	83	--
862	20°00'	91°47'	11-21-58	0715-0830	26	M.B.P.		80	83	80/116'
863	20°00'	91°50'	11-21-58	0855-1000	26	M.B.P.		80	82	80/116'
864	19°56'	91°46'	11-21-58	1025-1200	26	M.S.		87	83	80/116'
865	19°56'	91°42'	11-21-58	1240-1410	23	M.S.		84	83	80/116'
866	20°05'	91°54'	11-21-58	1555-1655	26	M.S.		84	83	80/116'
867	20°07'	91°55'	11-21-58	1720-1850	26	M.B.P.		79	83	80/116'
868	20°03'	91°52'	11-22-58	0715-0845	26	M.B.P.		77	83	80/116'
869	20°03'	91°52'	11-22-58	0915-1040	26	M.B.P.		77	82	80/116'
870	20°03'	91°52'	11-22-58	1230-1340	26	M.B.P.		76	82	80/116'
871	20°03'	91°52'	11-22-58	1415-1530	26	M.B.P.		76	82	80/116'
872	20°01'	91°52'	11-22-58	1555-1750	26	M.B.P.		76	82	80/116'
873	20°00'	91°56'	11-23-58	0620-0750	37-28	M.B.P.		78	82	80/116'
874	20°03'	91°52'	11-23-58	0815-1005	28	--		84	82	80/116'
875	20°06'	91°57'	11-23-58	1035-1205	26	M.B.P.		88	82	80/116'
876	20°04'	91°55'	11-23-58	1230-1380	28	M.B.P.		88	82	80/116'
877	20°06'	91°53'	11-23-58	1420-1845	26	M.B.P.		88	82	81.68 Arrowhead snapper trap
878	20°06'	91°51'	11-23-58	1525-1630	27	M.B.P.		86	82	84/74' roller trawl
879	20°05'	91°51'	11-23-58	--	27	M.B.P.		78	82	84/74' roller trawl
880	20°05'	91°51'	11-24-58	0630-0800	27	M.B.P.		78	82	84/74' roller trawl
881	20°04'	91°54'	11-24-58	0830-1015	26	M.B.P.		90	82	81.5 84/74' roller trawl
882	20°05'	91°51'	11-24-58	1035-1115	26	M.B.P.		90	82	84/74' roller trawl
883	20°05'	91°51'	11-24-58	1145-1315	28	M.B.P.		90	83	84/74' roller trawl
884	20°05'	91°51'	11-24-58	1510-1640	28	M.B.P.		85	82	84/74' roller trawl
885	20°05'	91°51'	11-24-58	1705-1820	28	M.B.P.		78	83	84/74' roller trawl
886	20°05'	91°51'	11-24-58	1845-2015	28	M.B.P.		78	83	84/74' roller trawl
887	20°05'	91°51'	11-25-58	0630-0800	27	M.B.P.		84	83	84/74' roller trawl
888	20°06'	91°53'	11-25-58	0915-0945	26	--		84	83	84/74' roller trawl
889	20°05'	91°51'	11-25-58	1010-1140	26	M.B.P.		81	83	84/74' roller trawl
890	20°05'	91°51'	11-25-58	1210-1345	27	M.B.P.		81	83	84/74' roller trawl
891	20°05'	91°51'	11-25-58	1415-1545	27	M.B.P.		90	83	84/74' roller trawl
892	20°05'	91°51'	11-25-58	1600-1630	27	M.B.P.		88	83	84/74' roller trawl
893	20°05'	91°51'	11-26-58	0555-0735	27	M.B.P.		75	82	84/74' roller trawl
894	20°05'	91°51'	11-26-58	0815-0950	27	M.B.P.		84	83	84/74' roller trawl
895	20°05'	91°51'	11-26-58	1015-1145	27	M.B.P.		88	83	84/74' roller trawl
896	20°05'	91°51'	11-26-58	1210-1340	27	M.B.P.		90	83	84/74' roller trawl
897	20°05'	91°51'	11-26-58	1400-1530	27	M.B.P.		90	83	84/74' roller trawl
898	20°05'	91°51'	11-26-58	1555-1720	27	M.B.P.		85	83	84/74' roller trawl
899	20°05'	91°51'	11-26-58	1740-1915	27	M.B.P.		78	82	84/74' roller trawl
900	20°05'	91°51'	11-28-58	0735-0905	27-24	M.B.P.		78	--	84/74' roller trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used	
	Lat. N.	Long. W.					Air	Sur.	Bot.		
							° F.	° F.	° F.		
901	20° 05'	91° 51'	11-28-58	0935-1120	26	S.M.Sp.	85	--	--	54/74' roller trawl	
902	20° 05'	91° 51'	11-28-58	1145-1200	27	M.Sp.B.	--	82	--	54/74' roller trawl	
903	20° 05'	91° 51'	11-28-58	1350-1520	27	M.Sp.B.	86	82	--	54/74' roller trawl	
904	20° 05'	91° 51'	11-28-58	1545-1645	27	M.Sp.B.	78	82	--	54/74' roller trawl	
905	20° 05'	91° 51'	11-28-58	1750-1925	26	M.Sp.B.	79	82	--	54/74' roller trawl	
906	20° 05'	91° 51'	11-28-58	1950-2125	28	M.Sp.B.	78	82	--	54/74' roller trawl	
907	20° 05'	91° 51'	11-28-58	2150-2310	26	M.Sp.B.	80	82	--	54/74' roller trawl	
908	20° 05'	91° 51'	11-29-58	0030-0200	27	M.Sp.B.	80	82	--	54/74' roller trawl	
909	20° 05'	91° 51'	11-29-58	--	27	M.Sp.B.	80	82	--	54/74' roller trawl	
910	20° 05'	91° 51'	11-29-58	0745-0915	27	M.Sp.B.	80	82	--	54/74' roller trawl	
911	20° 05'	91° 51'	11-29-58	1005-1105	27	M.Sp.B.	85	82	--	54/74' roller trawl	
912	20° 05'	91° 51'	11-29-58	1135-1235	27	M.Sp.B.	86	82	--	54/74' roller trawl	
913	20° 05'	91° 51'	11-29-58	1310-1410	27	M.Sp.B.	80	82	--	54/74' roller trawl	
914	20° 05'	91° 51'	11-29-58	1435-1525	27	M.Sp.B.	78	82	--	54/74' roller trawl	
915	20° 20'	88° 48'	12-2-58	0150-0320	28	S.Co.Sh.	75	81	--	54/74' roller trawl	
916	22° 18'	88° 59'	12-2-58	0350-0605	28	S.Co.Sh.	75	81	--	54/74' roller trawl	
917	22° 23'	88° 55'	12-2-58	0720-0845	29	Co.B.Sh.	76	81	--	54/74' roller trawl	
918	22° 23'	88° 55'	12-2-58	0910-0945	29	Co.B.Sh.	80	81	--	54/74' roller trawl	
919	29° 44'	88° 18'	1-13-59	2110-2210	20	M.	60	53	--	80° semi-balloon trawl	
920	29° 41'	88° 18'	1-13-59	2315-0045	22	M.	60	53	--	80° balloon trawl	
921	29° 42'	88° 20'	1-14-59	0120-0250	20	M.	69	53	--	80° semi-balloon trawl	
922	29° 40'	88° 18'	1-14-59	0325-0555	20	M.	60	53	--	80° balloon trawl	
923	29° 52'	88° 07'	1-14-59	0535-0645	20-24	M.	60	--	--	80° semi-balloon trawl	
924	29° 32'	88° 02'	1-14-59	0805-0935	21	M.	60	--	--	80° semi-balloon trawl	
925	29° 41'	87° 57'	1-14-59	1010-1200	20-22	M.	80	64	--	80° semi-balloon trawl	
926	29° 36'	87° 58'	1-14-59	1225-1355	20	M.	74	65	--	80° semi-balloon trawl	
927	29° 40'	87° 58'	1-14-59	1435-1605	18-20	M.	74	65	--	80° semi-balloon trawl	
928	29° 46'	87° 58'	1-14-59	1645-1715	18	M.	62	55	--	80° semi-balloon trawl	
929	29° 57'	87° 47'	1-14-59	2010-2140	16	M.	--	60.1	--	80° semi-balloon trawl	
930	30° 03'	87° 44'	1-14-59	2320-0050	13	M.	64	60.1	--	80° semi-balloon trawl	
931	30° 06'	87° 37'	1-15-59	0115-0245	10-14	S.Sh.	65	60.1	--	80° semi-balloon trawl	
932	30° 02'	87° 38'	1-15-59	0310-0440	14	S.Sh.	64	60	--	80° semi-balloon trawl	
933	29° 58'	87° 42'	1-15-59	0555-0655	14	S.Sh.	64	--	--	50° midwater trawl	
934	29° 57'	87° 48'	1-15-59	0725-0825	16	M.	64	60.1	62.6	50° midwater trawl	
935	29° 57'	87° 49'	1-15-59	0915-1025	16	M.	--	--	--	50° midwater trawl	
936	29° 55'	87° 53'	1-15-59	1055-1200	16	S.Sh.	63	61	--	50° midwater trawl	
937	29° 50'	87° 55'	1-15-59	1225-1325	16-20	S.Sh.	64	61	--	50° midwater trawl	
938	29° 45'	87° 56'	1-15-59	1345-1500	18	S.Sh.	64	61	--	50° midwater trawl	
939	29° 49'	87° 58'	1-15-59	1520-1645	18-20	S.M.Sh.	64	61	--	50° midwater trawl	
940	20° 04'	91° 57'	1-25-59	0950-1055	24	M.Sh.	74	74	--	40° midwater trawl	
941	20° 02'	91° 58'	1-25-59	1125-1240	26	M.Sh.	74	74	--	40° midwater trawl	
942	20° 00'	91° 59'	1-25-59	1405-1505	26	M.Sh.	73	74	--	54/74' roller trawl	
943	20° 02'	91° 57'	1-25-59	1535-1650	26	M.Sp.Co.	73	75	--	54/74' roller trawl	
944	20° 00'	91° 59'	1-25-59	1725-1900	26	M.Co.3p.	72	75	--	54/74' roller trawl	
945	20° 05'	91° 49'	1-26-59	0810-0930	26	M.Sp.	81	78	78	54/74' roller trawl	
946	20° 02'	91° 54'	1-26-59	1125-1240	26	M.Sp.	80	78	--	54/74' roller trawl	
947	20° 02'	91° 54'	1-26-59	1310-1425	26	M.Sp.	80	78	--	54/74' roller trawl	
948	20° 02'	91° 54'	1-26-59	1445-1600	26	M.Sp.	78	78	--	54/74' roller trawl	
949	20° 02'	91° 54'	1-26-59	1640-1740	26	M.Sp.	78	78	--	54/74' roller trawl	
950	20° 02'	91° 54'	1-26-59	1800-1925	26	M.Sp.	74	76	--	54/74' roller trawl	
951	20° 00'	92° 00'	1-27-59	0545-0715	30-25	M.Sp.	73	77	--	54/74' roller trawl	
952	20° 02'	91° 58'	1-27-59	0740-0915	25	M.Sp.	76	76	--	54/74' roller trawl	
953	19° 56'	91° 55'	1-27-59	0940-1100	25	M.Sp.	76	76	--	54/74' roller trawl	
954	19° 52'	91° 52'	1-27-59	1120-1250	30	M.Sp.	78	76	--	54/74' roller trawl	
955	19° 49'	91° 57'	1-27-59	1315-1350	40-46	M.	78	76	--	54/74' roller trawl	
956	19° 48'	91° 54'	1-27-59	1450-1620	38-32	M.	78	76	--	54/74' roller trawl	
957	19° 39'	91° 51'	1-27-59	1640-1810	32	M.	74	76	--	54/74' roller trawl	
958	19° 46'	91° 50'	1-27-59	1835-2015	28	M.	74	76	--	54/74' roller trawl	
959	20° 07'	92° 03'	1-28-59	0705-0835	40	M.	76	76	--	54/74' roller trawl	
960	20° 03'	92° 02'	1-28-59	--	26	M.	78	76	--	54/74' roller trawl	
961	20° 02'	91° 58'	1-28-59	1055-1210	26	M.Sp.	80	76	--	54/74' roller trawl	
962	20° 02'	91° 58'	1-28-59	1235-1350	23	M.Sp.	78	76	--	54/74' roller trawl	
963	20° 02'	91° 58'	1-28-59	1415-1535	23	M.Sp.	78	76	--	54/74' roller trawl	
964	20° 02'	91° 58'	1-28-59	1615-1720	23	M.Sp.	76	76	--	54/74' roller trawl	
965	20° 02'	91° 58'	1-28-59	1805-1940	23	M.Sp.	76	76	--	54/74' roller trawl	
966	20° 00'	91° 01'	1-29-59	--	35	M.	73	76.5	--	54/74' roller trawl	
967	20° 02'	91° 58'	1-29-59	0935-1005	23	M.Sp.	78	76	--	54/74' roller trawl	
968	20° 00'	92° 01'	1-29-59	1025-1205	38	M.Sp.	78	77	--	54/74' roller trawl	
969	20° 02'	91° 58'	1-29-59	1230-1400	38	M.Sp.	78	77	--	54/74' roller trawl	
970	20° 02'	91° 58'	1-29-59	1420-1510	38	M.Sp.	78	77	--	54/74' roller trawl	
971	20° 02'	91° 58'	1-29-59	--	38-26	M.Sp.	80	77	--	54/74' roller trawl	
972	19° 57'	91° 58'	1-29-59	1715-1915	38	M.Sp.	78	77	--	54/74' roller trawl	
973	20° 03'	91° 55'	1-30-59	1325-1440	28-42	M.Sp.	76	77	--	52/90' roller trawl	
974	19° 59'	91° 58'	1-30-59	1515-1630	42	M.Sp.	75	77	--	52/90' roller trawl	
975	20° 02'	91° 58'	1-30-59	--	28	M.Sp.	--	77	--	52/90' roller trawl	
976	20° 03'	91° 55'	1-31-59	--	50-26	M.Sp.	74	76	--	52/90' roller trawl	
977	20° 02'	91° 58'	1-31-59	0835-1010	26	M.Sp.	80	77	--	52/90' roller trawl	
978	19° 57'	91° 58'	1-31-59	1045-1215	26	M.Sp.	80	77	--	52/90' roller trawl	
979	20° 02'	91° 58'	1-31-59	1245-1415	26	M.Sp.	79	77	--	52/90' roller trawl	
980	20° 01'	91° 56'	1-31-59	--	26	M.Sp.	80	77	--	52/90' roller trawl	
981	19° 58'	91° 54'	1-31-59	1650-1750	26	M.Sp.	--	77	--	52/90' roller trawl	
982	20° 00'	92° 02'	--	--	45	M.Sp.	75.5	77	--	52/90' roller trawl	
983	20° 05'	92° 00'	2-1-59	0830-1010	32	M.Sp.	--	77	--	52/72' roller trawl	
984	20° 03'	91° 58'	2-1-59	1145-1315	26	M.Sp.	72	77	--	54/74' roller trawl	
985	21° 57'	91° 25'	2-2-59	0700-0800	25	M.Sp.	74	77	--	54/74' roller trawl	
986	21° 57'	91° 20'	2-2-59	0820-0935	25	Co.8.	80	77	--	54/74' roller trawl	
987	22° 07'	91° 12'	2-2-59	1035-1205	30	Co.8.5p.	80	77	--	54/74' roller trawl	
988	22° 06'	91° 11'	2-2-59	1225-1355	32	Co.8.5p.	80	78	--	54/74' roller trawl	
989	22° 08'	91° 09'	2-2-59	1415-1525	32	Co.8.5p.	80	78	--	54/74' roller trawl	
990	22° 13'	91° 14'	2-2-59	1640-1750	46-58	Co.8.5p.	77	77	--	54/74' roller trawl	
991	20° 03'	92° 00'	2-28/3-1-59	1600-1333	32	Co.M.	78	80	76.1	Snapper trap	
992	20° 03'	92° 00'	2-28/3-1-59	1603-1346	32	Co.M.	78	80	76.1	Snapper trap	
993	20° 03'	92° 00'	2-28/3-1-59	1614-1401	32	Co.M.	78	80	76.1	Snapper trap	
994	20° 03'	92° 00'	2-28/3-1-59	1610-1413	32	Co.M.	78	80	76.1	Snapper trap	
995	20° 03'	92° 00'	2-28/3-1-59	1614-1437	32	Co.M.	78	80	76.1	Snapper trap	
996	20° 03'	92° 00'	2-28/3-1-59	1618-1506	32	Co.M.	78	80	76.1	Snapper trap	
997	20° 03'	92° 00'	2-28/3-1-59	1620-1526	32	Co.M.	78	80	76.1	Snapper trap	
998	20° 03'	92° 00'	2-28/3-1-59	1627-1530	32	Co.M.	78	80	76.1	Snapper trap	
999	20° 03'	92° 00'	2-28/3-1-59	1627-1545	32	Co.M.	78	80	76.1	Snapper trap	
1000	20° 03'	92° 00'	2-28/3-1-59	1635-1600	32	Co.M.	--	78	80	76.1	Snapper trap

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1001	20° 03'	92° 00'	2-28/3-1-59	1635-1617	32	--	78	80	76.1	Snapper trap
1002	20° 03'	92° 00'	2-28/3-1-59	1653-1624	32	Co.M.	78	80	76.1	Snapper trap
1003	20° 03'	92° 00'	2-28-59	--	32	Co.M.	78	80	76.1	Snapper trap
1004	20° 03'	92° 00'	2-28-59	--	32	Co.M.	78	80	76	Snapper trap
1005	20° 03'	91° 57'	2-28-59	0640-0740	28	M.Sp.	77	80	--	54/74' roller trawl
1006	20° 05'	91° 52'	2-28-59	0805-0905	27	M.Sp.	78	80	--	54/74' roller trawl
1007	20° 03'	91° 57'	2-28-59	0930-1100	28	M.Sp.	80	80	--	54/74' roller trawl
1008	20° 05'	91° 52'	2-28-59	1120-1245	28	M.Sp.	82	80	--	54/74' roller trawl
1009	20° 04'	91° 57'	2-28-59	1350-1500	26	M.Sp.	78	80	--	54/74' roller trawl
1010	20° 05'	91° 52'	2-28-59	1520-1650	26	M.Sp.	78	80	--	54/74' roller trawl
1011	20° 05'	91° 52'	2-28-59	1710-1810	26	M.Sp.	78	80	--	54/74' roller trawl
1012	20° 04'	91° 58'	5-1/3-3-59	1335-0650	30	Co.	75	80	76	Snapper trap
1013	20° 04'	91° 58'	5-1/3-3-59	1344-0655	30	Co.	75	80	76	Snapper trap
1014	20° 04'	91° 58'	5-1/3-3-59	1441-0705	--	Co.	75	80	76	Snapper trap
1015	20° 04'	91° 58'	5-1/3-3-59	1445-0750	30	Co.	75	80	76	Snapper trap
1016	20° 04'	91° 58'	5-1/3-3-59	1450-0746	30	Co.	75	80	76	Snapper trap
1017	20° 04'	91° 58'	5-1/3-3-59	1509-0806	30	Co.	75	80	76	Snapper trap
1018	20° 04'	91° 58'	5-1/3-3-59	1534-0825	30	Co.	75	80	76	Snapper trap
1019	20° 04'	91° 58'	5-1/3-3-59	1603-0905	30	Co.	75	80	76	Snapper trap
1020	20° 04.5'	91° 58'	5-1/3-3-59	1635-0915	30	Co.	75	80	76	Snapper trap
1021	20° 03'	91° 57'	5-2-59	0725-0855	27	M.Sp.	78	75	--	54/74' roller trawl
1022	20° 03'	91° 57'	5-2-59	0925-1500	27	M.Sp.	79	80	76	Snapper trap
1023	20° 02'	91° 51'	5-2-59	0950-0955	27	M.Sp.	78	80	--	54/74' roller trawl
1024	20° 02'	91° 52'	5-2-59	1145-1315	27	M.Sp.	78	80	--	54/74' roller trawl
1025	20° 02'	91° 51'	5-2-59	1335-1350	27	M.Sp.	76	80	--	54/74' roller trawl
1026	20° 02'	91° 51'	5-2/2-3-59	1500-1125	27	M.Sp.	78	80	75.1	Snapper trap
1027	20° 04'	91° 57'	5-3/3-4-59	0640-0815	30	Co.	74	75	77.36	Snapper trap
1028	20° 04'	91° 57'	5-3/3-4-59	0725-0826	30	--	78	79	77.36	Snapper trap
1029	20° 04'	91° 57'	5-3/3-4-59	0800-0835	30	M.Co.	78	79	77.36	Snapper trap
1030	20° 04'	91° 57'	5-3/3-4-59	0820-0856	30	M.Co.	78	79	77.36	Snapper trap
1031	20° 04'	91° 57'	5-3/5-4-59	0947-0910	30	M.Co.	78	79	77.36	Snapper trap
1032	20° 04'	91° 57'	5-3/5-4-59	0955-0945	30	Co.	78	79	77.36	Snapper trap
1033	20° 04'	91° 57'	5-3/3-4-59	0958-1056	30	Co.	78	79	77.36	Snapper trap
1034	20° 04'	91° 57'	5-3/3-4-59	0952-1105	30	Co.	78	79	77.36	Snapper trap
1035	20° 02'	91° 51'	5-3/3-7-53	1055-1420	27	Co.	78	75	75	Snapper trap
1036	20° 02'	91° 51'	5-3/3-7-59	1100-1430	27	M.Sp.	78	75	75	Snapper trap
1037	20° 02'	91° 51'	5-3/3-7-59	1108-1341	27	M.Sp.	78	75	75	Snapper trap
1038	20° 02'	91° 51'	5-3-59	1505-1605	28	M.Sp.	78	75	--	54/74' roller trawl
1039	20° 03'	91° 53'	5-3-53	1625-1755	26	M.Sp.	--	79	--	54/74' roller trawl
1040	20° 03'	91° 56'	3-4/3-7-59	1056-0915	26	Co.	76	78	77.76	Snapper trap
1041	20° 03'	91° 56'	3-4/3-7-59	1102-0926	26	Co.	76	78	77.76	Snapper trap
1042	20° 03'	91° 56'	3-4/3-7-59	1106-0946	26	Co.	--	78	77.76	Snapper trap
1043	20° 03'	91° 56'	3-4/3-7-59	1110-0958	26	Co.	76	78	77.76	Snapper trap
1044	20° 03'	91° 56'	3-4/3-7-59	1115-1015	26	Co.	76	78	77.76	Snapper trap
1045	20° 03'	91° 56'	3-4/3-7-59	1120-1130	26	Co.	76	78	77.76	Snapper trap
1046	20° 03'	91° 56'	3-4/3-7-59	1125-1148	26	Co.	78	78	77.76	Snapper trap
1047	20° 03'	91° 54'	5-5-59	--	28-34	M.Sp.	80	75	--	54/74' roller trawl
1048	20° 02'	91° 59'	5-5-59	0930-1110	28	M.Sp.	80	77	--	54/74' roller trawl
1049	20° 01'	91° 57'	3-5-59	1210-1350	26	M.Sp.	80	79	--	54/74' roller trawl
1050	20° 02'	91° 54'	3-5-59	1430-1510	26	M.Sp.	80	79	--	54/74' roller trawl
1051	20° 01'	91° 56'	3-5-53	1530-1700	26	M.Sp.	80	80	--	54/74' roller trawl
1052	20° 02'	91° 54'	3-5-58	1720-1850	28	M.Sp.	76	80	--	54/74' roller trawl
1053	20° 02'	91° 54'	3-7-53	0655-0825	25	Co.	75	78	--	54/74' roller trawl
1054	20° 03'	91° 55'	3-7/8-53	0920-1318	26	Co.Sp.	72	78	--	Snapper trap
1055	20° 03'	91° 55'	3-7/8-53	0935-1350	26	Co.Sp.	72	78	--	Snapper trap
1056	20° 05'	91° 55'	3-7/8-53	0950-1341	26	Co.Sp.	72	78	--	Snapper trap
1057	20° 03'	91° 55'	3-7/8-59	1009-1350	26	Co.Sp.	72	78	--	Snapper trap
1058	20° 03'	91° 55'	3-7/8-59	1020-1400	26	Co.Sp.	72	78	--	Snapper trap
1059	20° 03'	91° 55'	3-7/8-59	1140-1416	26	Co.Sp.	72	78	--	Snapper trap
1060	20° 03'	91° 55'	3-7/8-59	1156-1426	26	Co.Sp.	72	78	--	Snapper trap
1061	--	--	3-7-59	1220-1350	26	Co.	75	78	--	54/74' roller trawl
1062	20° 02'	91° 51'	3-7-59	1510-1645	26	M.Sp.	74	78	--	54/74' roller trawl
1063	20° 03'	91° 55'	3-7-59	--	26	Co.Sp.	74	78	--	54/74' roller trawl
1064	20° 03'	91° 55'	3-7/8-59	1830-1438	26	Co.M.	74	78	--	Snapper trap
1065	20° 03.5'	91° 55'	3-7/8-59	1835-1450	26	Co.M.	74	78	--	Snapper trap
1066	20° 03'	92° 05'	3-7-59	2030-2135	55	Co.Sp.	74	78	--	40' flat trawl
1067	20° 03'	91° 52'	3-8-53	0615-0800	26	Co.Sp.	75	78	--	54/74' roller trawl
1068	20° 03'	91° 52'	3-8-53	0625-0955	26	Co.Sp.	76	78	--	54/74' roller trawl
1069	20° 03'	91° 52'	3-8-53	1035-1205	26	Co.Sp.	76	78	--	54/74' roller trawl
1070	20° 01'	91° 58'	3-8-53	1540-1710	29-44	--	80	75	--	54/74' roller trawl
1071	20° 00'	92° 02'	3-8-53	1730-1910	44-52	--	79	75	--	54/74' roller trawl
1072	20° 03'	91° 53'	3-8-53	2025-2125	32	Co.Sp.M.	74	75	--	54/74' roller trawl
1073	20° 02'	91° 59'	3-9-59	0620-0725	32	--	77	78	--	54/74' roller trawl
1074	20° 01'	92° 03'	3-9-59	0825-0955	45-50	M.	79	78	--	54/74' roller trawl
1075	20° 05'	92° 05'	3-9-59	1020-1220	48-24	M.	76	78	--	54/74' roller trawl
1076	20° 03'	91° 56'	4-5-59	1415-1545	26	M.Sp.	85	80	--	54/74' roller trawl
1077	20° 02'	91° 55'	4-5-59	1615-1745	26	M.Sp.	84	80	--	54/74' roller trawl
1078	20° 02'	91° 55'	4-5-59	1820-2000	26	M.Sp.	82	80	--	54/74' roller trawl
1079	20° 03'	91° 56'	4-6-59	0535-0705	26	M.Sp.	78	80	--	54/74' roller trawl
1080	20° 02'	91° 53'	4-6-59	0730-0910	26	M.Sp.	78	80	--	54/74' roller trawl
1081	20° 03'	91° 56'	4-6-59	0930-1100	26	M.Sp.	80	80	--	54/74' roller trawl
1082	20° 03'	91° 56'	4-6-59	1120-1250	26	M.Sp.	82	80	--	54/74' roller trawl
1083	20° 02'	91° 58'	4-6-59	1340-1510	28-40	M.Sp.	82	80	--	54/74' roller trawl
1084	20° 00'	92° 00'	4-6-53	1535-1705	40-55	M.Sp.	86	80	--	54/74' roller trawl
1085	19° 58'	92° 05'	4-6-53	1735-1900	50-45	M.Sp.	80	80	--	54/74' roller trawl
1086	20° 02'	91° 56'	4-7-59	0610-0740	26	M.Sp.	78	80	--	54/74' roller trawl
1087	20° 03'	91° 54'	4-7-59	0805-0935	26	M.Sp.	78	80	--	54/74' roller trawl
1088	20° 02'	91° 50'	4-7-59	1000-1130	26	M.Sp.	80	80	--	54/74' roller trawl
1089	19° 59'	91° 45'	4-7-59	1150-1320	26	M.Sp.	80	80	--	54/74' roller trawl
1090	19° 54'	91° 43'	4-7-59	1345-1515	26	M.Sp.	84	80	--	54/74' roller trawl
1091	19° 52'	91° 49'	4-7-59	1340-1710	26	M.Sp.	82	80	--	54/74' roller trawl
1092	19° 54'	91° 47'	4-7-59	1730-1905	26	M.Sp.	80	80	--	54/74' roller trawl
1093	19° 57'	91° 45'	4-8-59	--	29-27	M.Sp.	78	79.5	--	54/74' roller trawl
1094	19° 56'	91° 47'	4-8-59	0735-0845	27	M.Sp.	82	79.5	--	54/74' roller trawl
1095	19° 51'	91° 47'	4-8-59	0925-0950	27	M.Sp.	82	80	--	54/74' roller trawl
1096	19° 50'	91° 50'	4-8-59	1320-1435	28	M.Sp.	95	80	--	54/74' roller trawl
1097	19° 48'	91° 49'	4-8-59	1740-1810	30	M.Sp.	78	80	--	54/74' roller trawl
1098	19° 48'	91° 56'	4-9-59	1350-1520	30-28	M.Sp.	80	80	--	54/74' roller trawl
1099	19° 46'	91° 54'	4-9-59	1605-1715	28	M.	--	80.5	--	54/74' roller trawl
1100	19° 44'	91° 43'	4-9-59	1745-1930	27	M.Sp.	--	80	--	54/74' roller trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1401	34°37.5'	76°49'	11-23-59	1640-1740	8	--	59	59	61.1	54/74' fish trawl
1402	34°30.5'	76°57.5'	11-23-59	1856-2026	10-11	--	59	59	--	54/74' fish trawl
1403	34°24.5'	76°58'	11-23-59	2110-2240	11	--	--	--	--	54/74' fish trawl
1404	34°22'	77°03'	11-24-59	2320-0050	12	S.Sh.	65	--	64.5	54/74' fish trawl
1405	34°24.5'	77°09'	11-24-59	0205-0335	12-13	S.Sh.	65	66.5	64.4	54/74' fish trawl
1406	34°25.5'	77°06.5'	11-24-59	0420-0550	13-14	--	66	66.5	66.7	54/74' fish trawl
1407	34°12'	77°06'	11-24-59	0630-0800	14	Sh.	67	--	--	54/74' fish trawl
1408	34°39'	76°40'	11-26-59	0730-0740	7	M.	52	--	59.2	14-tooth clam dredge
1409	34°40'	76°41'	11-26-59	0807-0817	6-5	M.	53	--	59.2	14-tooth clam dredge
1410	34°41'	76°43'	11-26-59	0843-0858	5-6	M.	56	59.5	59	Clam dredge
1411	34°41'	76°44'	11-26-59	0928-0943	6	M.	60	59	59.2	Clam dredge
1412	34°41'	76°43'	11-26-59	0950-1020	4½-6	M.	60	59.5	59.2	Clam dredge
1413	34°41'	76°43'	11-26-59	1050-1100	6-4½	M.	60	59	59.2	Clam dredge
1414	34°41'	76°43'	11-26-59	1108-1123	4½-4	M.	57	59	59.2	Clam dredge
1415	34°41'	76°44'	11-26-59	1130-1145	4	M.	57	59	59.2	Clam dredge
1416	34°41'	76°45'	11-26-59	1156-1214	6-7	M.	58	59	59.2	Clam dredge
1417	31°41'	76°44'	11-26-59	1221-1236	7-6	M.	57	59	59.2	Clam dredge
1418	34°44'	76°50'	11-26-59	1312-1328	5	M.	59	60	59.2	Clam dredge
1419A	34°41'	76°45'	11-26-59	1424-1440	5	M.	54	59	59.2	9' scallop dredge
1419B	34°41'	76°45'	11-26-59	1424-1440	5	M.	54	59	59.2	Clam dredge
1420A	34°41'	76°43'	11-26-59	1455-1535	5	M.	52	59	59.2	Scallop dredge
1420B	34°41'	76°43'	11-26-59	1455-1535	5	M.	52	59	59.2	Clam dredge
1421A	34°41'	76°43'	11-26-59	1540-1610	5	M.	52	59	59.2	Scallop dredge
1421B	34°41'	76°43'	11-26-59	1540-1610	5	M.	52	59	--	Clam dredge
1422	34°41'	76°43'	11-26-59	1626-1656	5	M.	49	59	59	Clam dredge
1423	34°40'	76°37'	11-27-59	0835-0850	4	M.	62	60	59.5	Clam dredge
1424	34°39.5'	76°36'	11-27-59	0902-0952	4-4½	S.	62	60	59.5	Clam dredge
1425	34°39'	76°34.5'	11-27-59	0944-1014	4½	--	62	60	59.5	Clam dredge
1426	34°39.5'	76°40'	11-27-59	1025-1055	5	M.	62	60	59.5	Clam dredge
1427	34°39.5'	76°40'	11-27-59	1110-1140	5-6½	M.	65	60	59.5	Clam dredge
1428	34°39.5'	76°41'	11-27-59	1210-1245	6-4½	M.	67	60	59.5	Clam dredge
1429	34°39.5'	76°40.5'	11-27-59	1300-1330	4½	M.	67	60	59.4	Clam dredge
1430	34°39.5'	76°40'	11-27-59	1345-1400	4½	M.	67	60	59.4	Clam dredge
1431	34°39.5'	76°40'	11-27-59	1410-1440	4½-5	M.	67	60	59.4	Clam dredge
1432	34°39.5'	76°40.5'	11-27-59	1450-1520	4½-5	--	67	60	59.5	Clam dredge
1433	34°39.5'	76°39'	11-27-59	1527-1557	5	M.	64	59	59	Clam dredge
1434	34°39.5'	76°38.5'	11-29-59	0730-0800	6	M.	41	58	59.7	14-tooth clam dredge
1435	34°39.6'	76°38'	11-29-59	0810-0840	5-4½	M.	45	58	59.7	Clam dredge
1436	34°39.7'	76°38.3'	11-29-59	0850-0920	6	M.	45	58	59.7	Clam dredge
1437	34°39.7'	76°38.3'	11-29-59	0927-0957	6-5½	M.	51	58	59.7	Clam dredge
1438	34°39.7'	76°38.3'	11-29-59	1008-1038	5½-6	M.	51	58	59.7	Clam dredge
1439	34°39.7'	76°38.3'	11-29-59	1052-1122	5-3½	M.	51	58	59.7	Clam dredge
1440	34°39.7'	76°38.3'	11-29-59	1134-1201	5½-6	M.	51	58	59.7	Clam dredge
1441	34°39.7'	76°38.3'	11-29-59	1215-1245	5-6	M.	48	58.5	59.5	Clam dredge
1442	34°39.7'	76°38.3'	11-29-59	1252-1322	6-4½	M.	48	58.5	59.5	Clam dredge
1443	34°39.7'	76°38.3'	11-29-59	1400-1450	5	M.	41	58.5	59.5	Clam dredge
1444	34°39.7'	76°38.3'	11-29-59	1442-1510	5	M.	41	58.5	59.5	Clam dredge
1445	34°39.7'	76°38.3'	11-29-59	1520-1600	5	M.	40	58.5	59.5	Clam dredge
1446	34°40'	76°40.5'	12-1-59	0735-0750	6	M.Sh.	41	54.5	56.7	14-tooth clam dredge
1447	34°40.7'	76°43'	12-1-59	0802-0817	4½	M.	42	54.5	56.7	Clam dredge
1448	34°41'	76°43.4'	12-1-59	0825-0855	6-4½	M.	46	54.5	56.7	Clam dredge
1449	34°41'	76°43.4'	12-1-59	0908-0923	4½-5	M.	46	54.5	56.7	Clam dredge
1450	34°40.5'	76°44'	12-1-59	0933-0948	7-½	M.	46	54.5	56.7	Clam dredge
1451	34°40'	76°44.5'	12-1-59	0955-1010	7½	M.	46	54.5	56.7	Clam dredge
1452	34°40.5'	76°46'	12-1-59	1025-1040	7-6	M.	41	54.5	56.7	Clam dredge
1453	34°40.8'	76°46.8'	12-1-59	1050-1105	6	M.	47	54.5	56.7	Clam dredge
1454	34°41'	76°47.5'	12-1-59	1132-1147	5	M.S.	48	54.5	56.7	Clam dredge
1455	34°41'	76°48'	12-1-59	1200-1215	5-4½	M.	49	54.5	56.8	Clam dredge
1456	34°41'	76°43'	12-1-59	1255-1310	4-5	M.	48	54.5	56.8	Clam dredge
1457	34°41'	76°42.5'	12-1-59	1320-1355	5	M.	54	54.5	56.7	Clam dredge
1458	34°40'	76°41'	12-1-59	1343-1358	5	M.	54	54.5	56.7	Clam dredge
1459	34°39'	76°41'	12-1-59	1403-1418	5	M.Sh.	54	54.5	56.7	Clam dredge
1460	34°39.5'	76°40'	12-1-59	1423-1446	5	M.Sh.	54	54.5	56.7	Clam dredge
1461	34°39'	76°40'	12-1-59	1452-1523	5½	M.	54	54.5	56.7	Clam dredge
1462	34°39'	76°40'	12-1-59	1535-1600	5½	M.	56	54.5	56.7	Clam dredge
1463	34°26'	76°23.5'	12-3-59	1100-1230	18	G.S.	55	67.5	78.1	60/80' 2-seam fish trawl
1464	34°39'	76°36'	12-4-59	0737-0752	5-4	M.Sh.	45	52.0	54.9	Clam dredge
1465	34°39'	76°34.5'	12-4-59	0758-0813	4-3½	M.S.Sh.	46	52	54.9	Clam dredge
1466	34°38'	76°33.5'	12-4-59	0823-0838	4-3	M.	53	52	54.9	Clam dredge
1467	34°37'	76°32.6'	12-4-59	0852-0910	3-6	M.	53	52	54.9	Clam dredge
1468	34°37'	76°33.7'	12-4-59	0923-0940	6½	M.	53	52	54.9	Clam dredge
1469	34°36'	76°33.5'	12-4-59	0952-1008	6½-5	M.	54	52	54.9	Clam dredge
1470	34°35'	76°33.5'	12-4-59	1015-1030	5-6½	M.	54	52	54.9	Clam dredge
1471	34°36'	76°33.5'	12-4-59	1042-1057	6½-7½	M.	54	52	54.9	Clam dredge
1472	34°36'	76°34.5'	12-4-59	1110-1125	7½	bk.M.	55	52	54.9	Clam dredge
1473	34°36.4'	76°35.2'	12-4-59	1133-1148	7½	bk.M.	55	52	54.9	Clam dredge
1474	34°36.5'	76°34.5'	12-4-59	1159-1214	7-6	bk.M.	55	52	54.9	Clam dredge
1475	34°36.1'	76°33.7'	12-4-59	1230-1245	6-3½	bk.M.	54	52	54.9	Clam dredge
1476	34°36.2'	76°32.8'	12-4-59	1256-1326	3-4	bk.M.	54	52	54.9	Clam dredge
1477	34°37.3'	76°32.8'	12-4-59	1348-1417	--	bk.M.	55	52	54.9	Clam dredge
1478	34°37.3'	76°32.8'	12-4-59	1428-1454	3½-4	bk.M.	55	52	54.9	Clam dredge
1479	34°37.3'	76°32.8'	12-4-59	1503-1532	3½-4	bk.M.	60	52	54.9	Clam dredge
1480	34°37.3'	76°32.8'	12-4-59	1541-1612	4-4½	bk.M.	60	52	59.3	Clam dredge
1481	34°36.6'	76°33.1'	12-4-59	1618-1649	4½-5	bk.M.	60	52	54.9	Clam dredge
1482	34°39.7'	76°38.3'	12-4-59	1650-1722	5	bk.M.	54	52	54.9	Clam dredge
1483	34°23.5'	76°24.5'	12-6-59	1405-1505	12	--	65	62	--	60/80' 2-seam shrimp trawl
1484	34°26.5'	76°14'	12-6-59	1632-1732	17-20	gy.S.	61	68	--	60/80' 2-seam shrimp trawl
1485	34°30'	76°02'	12-6-59	1905-2005	23	gy.S.	61	73	--	60/80' 2-seam shrimp trawl
1486	34°52'	76°13'	12-7-59	0355-0525	7	S.	44	58	--	60/80' 2-seam shrimp trawl
1487	35°01.5'	76°02.5'	12-7-59	0702-0802	5-8	S.	40	58	--	60/80' 2-seam shrimp trawl
1488	34°58.5'	75°50.5'	12-7-59	0925-1025	12	S.Sh.	45	60	68	64/84' fish trawl
1489	34°50.5'	76°18'	12-7-59	1433-1502	5	S.G.	43	58	--	Clam dredge
1490	34°47.5'	76°21'	12-7-59	1648-1718	5	Sh.G.	42	57	--	Clam dredge
1491	34°47.5'	76°21'	12-7-59	1727-1757	5	S.Sh.	42	57	--	Clam dredge
1492	34°46.5'	76°22'	12-7-59	1810-1840	5	S.Sh.	40	57	--	Clam dredge
1493	34°46.5'	76°22'	12-7-59	1856-1926	7	S.Sh.	40	57.5	--	Clam dredge
1494	34°46.5'	76°21'	12-7-59	1943-2013	7-6	S.Sh.	40	58	--	Clam dredge
1495	34°46'	76°22'	12-7-59	2025-2055	6-5	S.Sh.	40	57	--	Clam dredge
1496	34°47.5'	76°03'	12-8-59	0413-0447	16	S.	41	64	--	8' scallop dredge
1497	34°42.5'	75°56.5'	12-8-59	0557-0627	20	S.	43	70	--	8' scallop dredge
1498	34°16.5'	76°26'	12-8-59	1105-1205	17-18	G.S.	43	69	--	60/80' roller trawl
1499	34°10.5'	76°14.5'	12-8-59	1347-1517	25	--	43	66	69.4	60/80' shrimp trawl
1500	34°04'	76°15'	12-8-59	1625-1720	55-45	M.	54	67	--	60/80' shrimp trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
1301	34° 22'	76° 43'	9-24-59	--	13-14	--	76	--	--	Night light station
1302	34° 27'	76° 41.5'	9-24-59	0135-0240	12-11	--	76	--	--	Night light station
1303	34° 30'	76° 39'	9-24-59	0315-0415	10	--	75	--	--	Night light station
1304	34° 28.5'	76° 46'	9-24-59	0455-0545	11	--	76	--	--	Night light station
1305	34° 29'	76° 49.5'	9-24-59	1005-1105	11-12	G.Sh.	77	79	--	54°/74° roller trawl
1306	34° 27.5'	76° 53.5'	9-24-59	1140-1240	12	G.Sh.	78	77	--	54°/74° roller trawl
1307	34° 29.5'	76° 57'	9-24-59	1304-1404	12	S.Sh.	78	79	--	54°/74° roller trawl
1308	34° 26.5'	77° 05'	9-24-59	1500-1600	9-10	S.Sh.	78	79	--	54°/74° roller trawl
1309	34° 33'	77° 06'	9-24-59	1745-1830	9	S.Sh.	79	79	--	86' balloon trawl
1310	34° 35.5'	77° 03'	9-24-59	1938-2038	8	S.Sh.	78	--	--	54°/74° roller trawl
1311	34° 37.6'	77° 01'	9-24-59	2110-2240	7	S.Sh.	74	--	--	54°/74° roller trawl
1312	34° 35.5'	76° 39'	9-27-59	0920-1020	8-7	S.	76	--	--	54°/74° roller trawl
1313	34° 37.3'	76° 36.5'	9-27-59	1040-1150	7	S.M.	76	78	--	54°/74° roller trawl
1314	34° 38.5'	76° 34.5'	9-27-59	1215-1345	6	S.	81	78	--	54°/74° roller trawl
1315	34° 34'	76° 36'	9-27-59	1410-1540	8	S.M.	81	78	--	54°/74° roller trawl
1316	34° 01.5'	76° 37.5'	9-27-59	1615-1725	9	S.M.	76	78.5	--	54°/74° roller trawl
1317	34° 32'	76° 33.5'	9-27-59	1742-1927	8	S.	77	78	--	54°/74° roller trawl
1318	34° 36.5'	76° 38'	9-27-59	2035-2135	8	S.	75	78	--	86' balloon trawl
1319	34° 51'	76° 40'	9-28-59	0723-0825	9	S.	76	78	--	86' balloon trawl
1320	35° 08'	76° 01'	10-15-59	1733-1833	17	S.Sh.	67	77	--	60/80' fish trawl
1321	35° 20'	76° 01.8'	10-15-59	2005-2103	16	S.Sh.	67	77	--	60/80' fish trawl
1322	35° 40.1'	78° 00'	10-16-59	0414-0615	7	S.	60	77	--	60/80' fish trawl
1323	35° 47.3'	78° 06.5'	10-16-59	0702-0725	7	S.Sh.	60	77	--	60/80' fish trawl
1324	35° 48.5'	78° 05.5'	10-16-59	0812-0912	7-8	S.Sb.	60	77	--	60/80' fish trawl
1325	35° 52.2'	78° 13'	10-16-59	1010-1110	5	S.Sh.	61	77	75.6	60/80' fish trawl
1326	35° 53'	78° 18'	10-16-59	1230-1330	4½-5	S.Sh.	61	77	75	54°/74° fish trawl
1327	35° 48.05'	78° 28'	10-16-59	1448-1455	6-4½	S.	61	77	75.5	54°/74° fish trawl
1328	35° 46.05'	78° 40'	10-16-59	1700-1850	5-4½	S.Sb.	60	75	75	54°/74° fish trawl
1329	35° 33.5'	78° 50.5'	10-16-59	1948-2118	5-5½	S.Sb.	60	75	--	54°/74° fish trawl
1330	35° 33.5'	78° 54.5'	10-16-59	2135-2235	5½	S.Sb.	60	75	--	54°/74° fish trawl
1331	35° 33'	78° 49'	10-17-59	0030-0230	6	--	61	75	--	Night light station
1332	35° 30'	78° 51'	10-17-59	0410-0610	6-7	S.Sh.	69	75	--	54°/74° fish trawl
1333	35° 29'	78° 37'	10-17-59	0750-0850	10-10½	S.Sh.	69	77	76.6	54°/74° fish trawl
1334	35° 34.7'	78° 26.2'	10-17-59	1000-1100	10-11	S.Sh.	75	79	76.8	54°/74° fish trawl
1335	35° 35'	78° 14'	10-17-59	1340-1450	10	S.Sh.	75	--	77.2	54°/74° fish trawl
1336	35° 28'	76° 01'	10-17-59	1640-1800	12-13	S.Sb.	74	78	--	64°/84° balloon trawl
1337	35° 25.5'	77° 53'	10-17-59	1920-2020	16	S.Sh.	73	--	--	64°/84° balloon trawl
1338	35° 23.5'	77° 38.5'	10-17-59	2155-2255	13-12	S.Sh.	74	--	--	64°/84° balloon trawl
1339	35° 22.5'	77° 35'	10-18-59	0030-0230	16-17	--	74	77	--	Night light station
1340	35° 09'	77° 36'	10-18-59	0415-0615	30-26	S.Sh.	74	--	--	64°/84° balloon trawl
1341	35° 08'	77° 35.5'	10-18-59	0725-0825	45	--	74	--	--	64°/84° balloon trawl
1342	35° 05'	77° 47'	10-18-59	1015-1115	51-50	--	75	--	--	64°/84° balloon trawl
1343	35° 01'	77° 56'	10-18-59	1535-1640	51-53	--	75	--	--	64°/84° balloon trawl
1344	35° 03'	78° 08'	10-18-59	1535-1640	16	--	75	--	--	64°/84° balloon trawl
1345	35° 13'	78° 12.5'	10-18-59	1806-1936	16-15	S.Sh.	75	--	--	64°/84° balloon trawl
1346	35° 24.2'	78° 18'	10-18-59	2100-2245	14-13	S.Sh.	72	--	--	64°/84° balloon trawl
1347	35° 24'	78° 17'	10-19-59	0030-0230	14	--	70	--	--	Night light station
1348	35° 20.5'	78° 26'	10-19-59	0438-0638	13-12	--	64	76	--	54°/74° fish trawl
1349	35° 18'	78° 44.5'	10-19-59	0805-0905	9	S.Sh.	65	76	--	54°/74° fish trawl
1350	35° 20'	78° 53.5'	10-19-59	1035-1210	7	--	67	76	--	54°/74° fish trawl
1351	35° 18.5'	79° 02'	10-19-59	1315-1430	6-5	--	78	76	--	54°/74° fish trawl
1352	35° 09'	79° 05'	10-19-59	1530-1700	5-6	--	68	76	--	54°/74° fish trawl
1353	35° 03.5'	78° 58'	10-19-59	1815-1945	7-8	--	68	75	--	54°/74° fish trawl
1354	35° 06'	78° 46.4'	10-19-59	2115-2300	11	--	68	75	--	54°/74° fish trawl
1355	35° 12.5'	78° 43'	10-20-59	0030-0230	11	--	64	75	--	Night light station
1356	35° 04.5'	78° 33'	10-20-59	0448-0648	14-15	--	71	76	--	54°/74° fish trawl
1357	32° 59'	78° 24'	10-20-59	0810-0910	19-21	--	71	76	--	54°/74° fish trawl
1358	32° 50.6'	78° 13'	10-20-59	1045-1200	23-24	S.Sb.	77	76	--	54°/74° fish trawl
1359	32° 45.5'	78° 23'	10-20-59	1300-1430	50-51	S.Sb.	77	80	--	54°/74° fish trawl
1360	32° 51'	78° 32'	10-20-59	1615-1715	21-19	S.Sh.	75	78	--	54°/74° fish trawl
1361	33° 00'	78° 40'	10-20-59	1850-1950	15-16	S.Sh.	75	78	--	54°/74° fish trawl
1362	32° 56.7'	78° 53.5'	10-20-59	2110-2240	14	S.Sh.	75	78	--	54°/74° fish trawl
1363	32° 53'	78° 39.5'	10-21-59	0030-0230	--	S.Sh.	74	78	--	Night light station
1364	32° 34'	79° 12.5'	10-21-59	0405-0605	11	S.Sh.G.	74	77	--	54°/74° fish trawl
1365	32° 59.5'	79° 14.1'	10-21-59	0720-0820	6-5	S.G.	74	77	--	54°/74° fish trawl
1366	32° 52.5'	79° 23.5'	10-21-59	0948-1108	6-5½	--	70	78	--	54°/74° fish trawl
1367	32° 46.5'	79° 24'	10-21-59	1212-1350	7-8	S.Sh.	70	77	--	54°/74° fish trawl
1368	32° 43'	79° 13'	10-21-59	1505-1605	12-14	S.Sh.G.	69	76	--	64°/84° fish trawl
1369	32° 42'	79° 02.5'	10-21-59	1725-1855	15-14	S.Sh.G.	69	76	--	64°/84° fish trawl
1370	32° 42'	78° 52'	10-21-59	2022-2222	17-19	S.Sh.	69	76	--	64°/84° fish trawl
1371	32° 37.5'	79° 31.5'	10-24-59	0942-1042	9	S.Sb.	68	74.4	76.3	64°/84° fish trawl
1372	32° 40.5'	79° 16.5'	10-24-59	1205-1305	12	S.Sb.	68	75	77.4	64°/84° fish trawl
1373	32° 32'	78° 42'	10-24-59	1650-1750	7	S.Sb.	66	74.5	75.2	64°/84° fish trawl
1374	32° 36.5'	79° 51'	10-24-59	1910-2010	6-5	--	66	74	--	64°/84° fish trawl
1375	32° 32.7'	79° 57'	10-24-59	2150-2250	6-5	gy.S.	58	72	73.04	64°/84° fish trawl
1376	32° 29'	80° 07.5'	10-25-59	0020-0120	6-5	gy.S.	59	72	--	64°/84° fish trawl
1377	32° 29'	80° 11.5'	10-25-59	0135-0235	5½	gy.S.	59	72	72.3	64°/84° fish trawl
1378	32° 20'	80° 17'	10-25-59	0400-0500	5½	S.Sb.	58	72	72.3	64°/84° fish trawl
1379	32° 15'	80° 26'	10-25-59	0625-0725	5-5½	gy.S.S.	54	72.5	72	64°/84° fish trawl
1380	32° 04.5'	80° 36.5'	10-25-59	0950-1050	7½	--	55	72.3	71.9	64°/84° fish trawl
1381	31° 57.5'	80° 44'	10-25-59	1350-1450	5	gy.S.	55	72.3	71.9	64°/84° fish trawl
1382	31° 52'	80° 52'	10-25-59	1610-1710	6-5	gy.S.	--	--	71.9	64°/84° fish trawl
1383	31° 44.5'	80° 57.5'	10-25-59	1835-1935	4½-6	S.Sb.	63	72.5	72.1	64°/84° fish trawl
1384	31° 47.5'	80° 45'	10-25-59	2100-2200	7-8	S.Sb.	60	73	72.5	64°/84° fish trawl
1385	31° 55'	80° 33'	10-25-59	2325-2425	9-8	hrd.S.Sb.	60	73	--	64°/84° fish trawl
1386	32° 04'	80° 24'	10-26-59	0155-0255	9-10	gy.S.Sb.	60	--	72	64°/84° fish trawl
1387	32° 13'	80° 03.5'	10-26-59	0422-0522	9-8	gy.S.	58	73	72.5	64°/84° fish trawl
1388	32° 15'	79° 49'	10-26-59	0732-0832	12	hrd.S.	60	74.5	72.7	64°/84° fish trawl
1389	32° 20.5'	79° 37'	10-26-59	0952-1050	15-16	gy.S.	80	75	71.6	64°/84° fish trawl
1390	32° 24.5'	79° 28'	10-26-59	1230-1330	15-16	gy.S.Sb.	80	--	--	54°/74° fish trawl
1391	32° 30.5'	79° 11'	10-26-59	1455-1555	19	S.G.Sb.	81	--	70.9	54°/74° fish trawl
1392	32° 32'	78° 56.5'	10-26-59	1720-1820	20-21	S.G.Sb.	65	--	--	54°/74° fish trawl
1393	32° 32'	78° 40.5'	10-26-59	2000-2130	40-50	gy.S.Sb.	69	76.3	71.6	54°/74° fish trawl
1394	32° 30.5'	78° 44.5'	10-26-59	--	50	hrd.S.	69	76.3	71.6	Dip station
1395	32° 28'	78° 44'	10-27-59	0240-0410	50	hrd.S.	69	76	72	54°/74° fish trawl
1396	34° 25'	76° 50'	11-23-59	0635-0735	12	S.Sb.	53	--	--	54°/74° fish trawl
1397	34° 31'	76° 40'	11-23-59	0820-0930	10	--	--	--	--	54°/74° fish trawl
1398	34° 35.5'	76° 45.5'	11-23-59	1050-1150	9	S.	61	--	--	54°/74° fish trawl
1399	34° 35'	76° 44'	11-23-59	1255-1355	7	S.Sb.	60	--	60.2	54°/74° fish trawl
1400	34° 38'	76° 44.5'	11-23-59	1435-1550	7	S.Sb.	62	59	59.7	54°/74° fish trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used	
	Lat. N.	Long. W.					Fathoms	° F.	° F.	° F.	
1201	25° 20'	84° 23'	6-9-59	0345-0545	200	--	81	85	--	40'	flat trawl
1202	25° 16.5'	84° 25'	6-9-59	0700-0842	210-250	--	81	85	--	40'	flat trawl
1203	29° 05'	86° 22'	6-11/12-59	2145-0145	250	M.	77	82	--	40'	flat trawl
1204	33° 28'	77° 24.5'	9-1-59	1930-2030	15-16	S.Sh.	82	86	--	86'	balloon trawl
1205	33° 29'	77° 22'	9-1-59	2057-2227	16-20	S.Sh.	82	86	--	86/116'	balloon trawl
1206	33° 20'	77° 10.5'	9-2-59	0545-0645	50	S.Sh.	82	86	--	86/116'	balloon trawl
1207	33° 24'	77° 09'	9-2-59	0740-0800	25	S.Sh.	84	86	--	86/116'	balloon trawl
1208	33° 32'	77° 30.5'	9-2-59	1100-1200	14	S.Sh.	88	85.5	--	50'	2-seam fish trawl
1209	33° 41'	77° 40.5'	9-2-59	1340-1440	11-12	S.Sh.Co.	86	86	--	50'	2-seam fish trawl
1210	33° 47.5'	77° 50'	9-2-59	1555-1655	8	S.Sh.Co.	88	86	--	50'	2-seam fish trawl
1211	33° 55'	77° 52.5'	9-2-59	1743-1843	5-6	S.Sh.	85	86	--	50'	2-seam fish trawl
1212	34° 03.5'	77° 50.5'	9-2-59	1935-2105	5-6	S.Sh.	84	86	--	50'	2-seam fish trawl
1213	34° 06.5'	77° 46.5'	9-2-59	2145-2315	7-8	S.Sh.	82	85.5	--	50'	2-seam fish trawl
1214	34° 02'	77° 35'	9-3-59	0540-0640	11	S.Sh.	80	85.5	--	50'	2-seam fish trawl
1215	35° 56.5'	77° 20.5'	9-5-59	--	15	S.Sh.	86	86	--	86'	balloon trawl
1216	35° 44.5'	77° 02.5'	9-5-59	1250-1358	20	S.Sh.	91	86	--	86'	balloon trawl
1217	35° 44'	76° 58'	9-5-59	1510-1610	22-23	S.Sh.	88	86	--	86'	balloon trawl
1218	35° 45.2'	76° 50.5'	9-5-59	1715-1812	23-24	S.Sh.	89	86	--	86'	balloon trawl
1219	35° 43'	76° 45'	9-5-59	1910-2010	30	S.Sh.	82	86	--	86'	balloon trawl
1220	35° 48'	76° 42.5'	9-3-59	2200-2300	26-25	S.Sh.	82	--	--	86'	balloon trawl
1221	35° 50'	76° 55'	9-4-59	0554-0654	20	S.Sh.	81	--	--	86'	balloon trawl
1222	35° 57.5'	77° 01.5'	9-4-59	0810-0910	17-16	S.Sh.	88	--	--	86'	balloon trawl
1223	34° 01'	77° 08'	9-4-59	1035-1135	15	S.Sh.	88	85.5	--	86'	balloon trawl
1224	34° 07'	77° 19'	9-4-59	1300-1400	13	S.Sh.	89	85.5	--	86'	balloon trawl
1225	34° 09'	77° 23.5'	9-4-59	1530-1745	12	S.Sh.	78	86	--	86'	balloon trawl
1226	34° 16.5'	77° 34.5'	9-4-59	1855-1955	8-7	S.Sh.	75	85	--	86'	balloon trawl
1227	34° 21'	77° 34.5'	9-4-59	2015-2115	7-8	S.	76	85	--	86'	balloon trawl
1228	34° 19'	77° 19.5'	9-5-59	0548-0648	10	S.Sh.	80	85.5	--	86'	balloon trawl
1229	34° 15.5'	77° 07.5'	9-5-59	0820-0920	14-15	S.Sh.	--	86	--	86'	balloon trawl
1230	34° 09'	76° 55'	9-5-59	1058-1200	17	S.Sh.	88	86	--	86'	balloon trawl
1231	34° 05.5'	76° 45'	9-5-59	1333-1433	20	S.Sh.	85	86	--	86'	balloon trawl
1232	34° 02.5'	76° 34'	9-5-59	1605-1705	21-22	S.Sh.	84	86	--	86'	balloon trawl
1233	34° 00.5'	76° 21'	9-5-59	1840-1940	30-33	S.Sh.	82	86	--	86'	balloon trawl
1234	33° 58.5'	76° 22'	9-5-59	2030-2053	39-50	S.	82	86	--	86'	balloon trawl
1235	34° 07.5'	76° 22.5'	9-5-59	2214-2314	21-21	S.	80	86	--	86'	balloon trawl
1236	34° 15.5'	76° 36.5'	9-6-59	0537-0650	18	S.Sh.	85	86	--	86'	balloon trawl
1237	34° 22'	76° 41.5'	9-6-59	0804-0904	14-15	G.Sh.	84	86	--	65'	balloon trawl
1238	34° 24'	76° 46.5'	9-6-59	1015-1115	14-12	S.G.	88	86	--	65'	balloon trawl
1239	34° 31'	76° 53'	9-6-59	1226-1328	14-12	S.	88	86	--	86'	balloon trawl
1240	34° 38'	76° 49'	9-6-59	1430-1550	7	--	88	86	--	86'	balloon trawl
1241	34° 37'	76° 46'	9-6-59	1615-1715	7	S.	88	86	--	86'	balloon trawl
1242	34° 31.5'	76° 35.5'	9-6-59	1838-2008	9	S.	84	85.5	--	86'	balloon trawl
1243	34° 21'	76° 29.8'	9-6-59	2122-2252	10-11	S.	82	86	--	86'	balloon trawl
1244	34° 16'	76° 22'	9-7-59	0535-0618	16	G.5.	79	86	--	86'	balloon trawl
1245	34° 10.7'	76° 15'	9-7-59	0830-0930	22	S.	86	86	--	86'	balloon trawl
1246	34° 14'	76° 08'	9-7-59	1046-1205	32-33	S.	69	86	--	86'	balloon trawl
1247	34° 14'	76° 01.5'	9-7-59	1325-1420	33-24	S.	89	86	--	86'	balloon trawl
1248	34° 22.5'	76° 13.5'	9-7-59	1537-1650	13-15	S.	88	86	--	86'	balloon trawl
1249	34° 27'	76° 20.5'	9-7-59	1740-1840	7	S.	81	86	--	86'	balloon trawl
1250	34° 35'	76° 23.5'	9-7-59	1945-2045	11-10	S.	80	86	--	86'	balloon trawl
1251	34° 40'	76° 23.5'	9-8-59	0535-0635	8	S.	78	--	--	86'	balloon trawl
1252	34° 47'	76° 20.5'	9-8-59	0735-0835	9-11	S.	82	86	--	86'	balloon trawl
1253	34° 47'	76° 17.5'	9-8-59	0915-1015	11-9	S.	83	85	--	86'	balloon trawl
1254	34° 50.5'	76° 14.2'	9-8-59	1147-1305	12-11	S.	83	85	--	86'	balloon trawl
1255	34° 55.5'	76° 09'	9-8-59	1410-1440	9-11	S.	85	85	--	86'	balloon trawl
1256	34° 54.5'	76° 03'	9-8-59	1645-1815	10-11	S.	81	85	--	86'	balloon trawl
1257	34° 56.5'	75° 56'	9-8-59	1920-2020	14-15	S.	80	85	--	86'	balloon trawl
1258	34° 58.5'	75° 54'	9-8-59	2042-2242	13-14	S.	79	85	--	86'	balloon trawl
1259	34° 51.5'	76° 51'	9-10-59	0722-0822	11	S.	78	--	--	86'	balloon trawl
1260	34° 51.5'	76° 40.5'	9-10-59	1138-1238	10	S.	88	--	--	86'	balloon trawl
1261	34° 24'	76° 23.5'	9-10-59	1454-1610	11	S.	85	--	--	86'	balloon trawl
1262	34° 39.5'	76° 27.5'	9-10-59	1832-2032	6-7	S.	79	--	--	86'	balloon trawl
1263	34° 46'	76° 23'	9-11-59	0555-0655	4-6	S.	75	--	--	86'	balloon trawl
1264	34° 47'	76° 21.5'	9-11-59	0802-0902	4-5	S.	81	84	--	86'	balloon trawl
1265	34° 46'	76° 12.5'	9-11-59	1020-1120	12	S.	83	84	--	86'	balloon trawl
1266	34° 39'	76° 13'	9-11-59	1240-1340	17	S.	82	84	--	86'	balloon trawl
1267	34° 35.5'	75° 55.5'	9-11-59	1535-1635	24	S.	79	84	--	86'	balloon trawl
1268	34° 37.5'	75° 48'	9-11-59	1850-2050	31-30	S.	79	85	--	86'	balloon trawl
1269	34° 32'	75° 57'	9-12-59	0553-0708	25	S.S.	76	85	--	86'	balloon trawl
1270	34° 39'	76° 01.7'	9-12-59	0920-1020	20	S.Sh.	86	85	--	86'	balloon trawl
1271	34° 44'	75° 53.5'	9-12-59	1212-1314	17	S.	--	85	--	86'	balloon trawl
1272	34° 54'	75° 54.5'	9-12-59	1412-1612	14-15	M.S.	82	85	--	86'	balloon trawl
1273	34° 46.5'	76° 04'	9-12-59	1730-1930	17	S.Sh.	78	85	--	86'	balloon trawl
1274	34° 14'	76° 00'	9-17-59	1705-1805	100	M.	74	82	--	54/74'	roller trawl
1275	34° 42.5'	76° 03.2'	9-17-59	1836-1928	110	M.	77	82	--	54/74'	roller trawl
1276	34° 09.5'	76° 06'	9-17-59	2000-2050	120	M.	77	82	--	54/74'	roller trawl
1277	34° 06'	76° 08'	9-17-59	2118-2208	130	M.	76	82	--	54/74'	roller trawl
1278	34° 03'	76° 11.4'	9-17-59	2235-2315	135	M.	72	82	--	54/74'	roller trawl
1279	35° 20'	74° 56'	9-20-59	0725-0825	105-185	M.	76	79	--	54/74'	roller trawl
1280	35° 16.5'	75° 00'	9-20-59	0900-1000	75-95	M.	74	79	--	54/74'	roller trawl
1281	35° 00'	75° 17'	9-20-59	1255-1355	102-105	M.	76	73	--	54/74'	roller trawl
1282	34° 56'	75° 20.5'	9-20-59	1425-1525	105	M.	75	73	--	54/74'	roller trawl
1283	34° 52'	75° 27.5'	9-20-59	1550-1650	98-97	M.	78	73	--	54/74'	roller trawl
1284	34° 58.5'	76° 40.5'	9-22-59	0602-0702	6-8	M.	74	75.5	--	86'	balloon trawl
1285	34° 10.5'	76° 47.7'	9-22-59	0740-0840	7-5	M.	76	75.5	--	86'	balloon trawl
1286	34° 10.5'	76° 51.5'	9-22-59	0905-1005	5-6 ₂	S.V.	76	75.5	--	86'	balloon trawl
1287	34° 10.7'	76° 48.5'	9-22-59	1050-1150	5-7.5	S.V.	77	75.5	--	86'	balloon trawl
1288	34° 11'	76° 50'	9-22-59	1805-1935	7-5	S.V.	75	77	--	86'	balloon trawl
1289	34° 11'	76° 51'	9-22-59	2040-2140	7-5	S.V.	75	77	--	86'	balloon trawl
1290	34° 11'	76° 48.5'	9-22-59	2210-2310	4 ₂ -8	S.V.	75	77	--	86'	balloon trawl
1291	34° 58.5'	76° 49.4'	9-22-59	2332-0100	8-10	S.V.	74	77	--	86'	balloon trawl
1292	34° 33'	76° 50'	9-23-59	--	10	--	75	77	--	Night	light station
1293	34° 32'	76° 49.5'	9-23-59	0645-0745	10-10 ₂	S.Sh.	74	77	--	86'	balloon trawl
1294	34° 25.2'	76° 51.6'	9-23-59	0837-0937	12-13	S.H.	76	77	--	86'	balloon trawl
1295	34° 23.7'	76° 54'	9-23-59	1032-1202	13-15	S.H.	78	--	--	54/74'	roller trawl
1296	34° 13'	76° 48'	9-23-59	1327-1427	17	S.H.S.	78	85	--	54/74'	roller trawl
1297	34° 09'	76° 55.5'	9-23-59	1605-1705	19-20	S.Sh.	77	85	--	54/74'	roller trawl
1298	34° 07'	76° 52'	9-23-59	1737-1837	20-19	S.Sh.	78	84	--	54/74'	roller trawl
1299	34° 21'	76° 34'	9-23-59	2045-2125	14	--	78	--	--	54/74'	roller trawl
1300	34° 22.5'	76° 34'	9-23-59	--	10	--	76	--	--	Night	light station

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	° F.
1101	19° 41'	91° 51'	4-10-59	0535-0650	25	M.Sp.	78	80	--	54°/4' roller trawl
1102	19° 45'	91° 51'	4-10-59	0725-0905	27	M.Sp.	85	80	--	54°/4' roller trawl
1103	19° 42'	91° 49'	4-10-59	0945-1045	27	M.Sp.	85	80	--	54°/4' roller trawl
1104	19° 40'	91° 53'	4-10-59	1305-1425	27	M.Sp.	86	80	--	54°/4' roller trawl
1105	19° 41'	91° 52'	4-10-59	1500-1615	26	M.Sp.	88	80	--	54°/4' roller trawl
1106	19° 43'	91° 51'	4-10-59	1635-1805	25	M.Sp.	80	80	--	54°/4' roller trawl
1107	19° 41'	91° 52'	4-10-59	1830-1930	25	M.Sp.	79	80	--	54°/4' roller trawl
1108	19° 59'	91° 59'	4-11-59	0540-0635	28	M.Sp.	82	80	--	54°/4' roller trawl
1109	19° 41'	91° 57'	4-11-59	0725-0915	26	M.Sp.	82	80	--	54°/4' roller trawl
1110	19° 41'	91° 57'	4-11-59	1000-1105	26	M.Sp.	85	80	--	54°/4' roller trawl
1111	19° 39'	91° 58'	4-11-59	1135-1250	26	M.Sp.	88	80	--	54°/4' roller trawl
1112	19° 37'	91° 59'	4-11-59	1315-1445	26-30	M.Sp.	88	80	--	54°/4' roller trawl
1113	19° 44'	91° 50'	4-11-59	1815-1935	27	M.Sp.	86	80	--	54°/4' roller trawl
1114	19° 47'	91° 51'	4-12-59	0605-0635	27	M.Sp.Co.	78	80	--	54°/4' roller trawl
1115	19° 50'	91° 48'	4-12-59	0855-0915	25	M.Sp.	80	80	--	54°/4' roller trawl
1116	19° 51'	91° 42'	4-12-59	1305-1435	23	M.S.	88	80	--	54°/4' roller trawl
1117	19° 55'	91° 42'	4-12-59	1455-1625	21	M.	87	80	--	54°/4' roller trawl
1118	19° 58'	91° 47'	4-12-59	1725-1850	24	M.Sp.	79	80	--	54°/4' roller trawl
1119	19° 53'	91° 56'	4-13-59	0605-0650	25	M.Sp.	78	80	--	54°/4' roller trawl
1120	20° 10'	97° 27'	4-20-59	1245-1325	25	M.Co.	85	70	--	88' roller trawl
1121	20° 01'	97° 25'	4-20-59	1525-1655	25	M.	76	70	--	88' roller trawl
1122	20° 57'	97° 24'	4-20-59	--	35	M.	74	73	--	88' roller trawl
1123	20° 02'	91° 58'	4-23-59	0625-0740	30	M.Sp.	77	79.5	--	88' roller trawl
1124	20° 02'	91° 58'	4-23-59	0855-1030	30	M.Sp.	82	79.5	--	88' roller trawl
1125	20° 04'	91° 50'	4-23-59	1100-1220	28	M.Co.Sp.	84	80	--	88' roller trawl
1126	19° 54'	91° 48'	4-25-59	0620-0745	24	M.Sb.	76	78	--	54°/4' roller trawl
1127	19° 50'	91° 48'	4-25-59	0815-1000	24	M.Co.Sp.	76	78	--	54°/4' roller trawl
1128	19° 45'	91° 58'	4-25-59	1055-1200	30	M.Co.Sp.	80	78	--	54°/4' roller trawl
1129	19° 40'	91° 48'	4-25-59	1225-1340	27	M.Sp.Co.	82	78	--	54°/4' roller trawl
1130	19° 40'	91° 48'	4-25-59	1400-1450	27	M.Sp.Co.	85	78	--	54°/4' roller trawl
1131	19° 42'	91° 47'	4-25-59	1515-1650	27-30	M.Sp.Co.	74	78	--	54°/4' roller trawl
1132	19° 44'	91° 47'	4-25-59	1720-1820	29	M.Sp.Co.	80	78	--	54°/4' roller trawl
1133	19° 48'	91° 47'	4-25-59	1850-1920	29	M.Sp.Co.	76	78	--	54°/4' roller trawl
1134	19° 58'	91° 43'	4-26-59	0600-0730	28	M.Sp.Co.	77	78.5	--	54°/4' roller trawl
1135	20° 03'	91° 43'	4-26-59	0800-0930	27	M.Co.Sp.	--	78.5	--	54°/4' roller trawl
1136	20° 03'	91° 48'	4-26-59	0955-1045	27	M.Sp.	82	78.5	--	54°/4' roller trawl
1137	20° 03'	91° 56'	4-26-59	1450-1525	27	M.Sp.Co.	84	78	--	54°/4' roller trawl
1138	20° 05'	91° 55'	4-26-59	--	25	M.Sp.Co.	80	78	--	54°/4' roller trawl
1139	20° 05'	91° 51'	4-26-59	1840-2020	26	M.Sp.Co.	78	78	--	54°/4' roller trawl
1140	20° 05'	91° 51'	4-27-59	0615-0730	25	M.Sp.	74	77.5	--	54°/4' roller trawl
1141	20° 05'	91° 55'	4-27-59	0755-0925	25	M.Sp.	77	78	--	54°/4' roller trawl
1142	20° 06'	91° 55'	4-27-59	0950-1125	25	M.Sp.	78	78	--	54°/4' roller trawl
1143	20° 05'	91° 51'	4-27-59	1145-1315	25	M.Sp.	78	78	--	54°/4' roller trawl
1144	20° 05'	91° 51'	4-27-59	1345-1515	25-35	M.Sp.	82	78	--	54°/4' roller trawl
1145	20° 06'	92° 01'	4-27-59	1545-1715	35-40	M.	80	78	--	54°/4' roller trawl
1146	20° 02'	92° 02'	4-27-59	1740-1950	40-55	M.	78	78	--	54°/4' roller trawl
1147	20° 02'	92° 05'	4-28-59	0530-0700	45	M.Cl.	77	76	--	54°/4' roller trawl
1148	20° 00'	92° 00'	4-28-59	0730-0800	47-58	M.Cl.	76	76	--	54°/4' roller trawl
1149	20° 00'	92° 00'	4-28-59	0935-1105	38-39	M.Cl.	77	76	--	54°/4' roller trawl
1150	20° 03'	92° 02'	4-28-59	1135-1305	37	M.Cl.	82	77	--	54°/4' roller trawl
1151	20° 00'	92° 00'	4-28-59	1340-1510	36-46	M.Cl.	85	77	--	54°/4' roller trawl
1152	20° 03'	92° 02'	4-28-59	1550-1750	37-42	M.Cl.	82	78.6	--	54°/4' roller trawl
1153	20° 00'	92° 00'	4-28-59	1825-1955	39	M.Cl.	78	78.6	--	54°/4' roller trawl
1154	20° 00'	92° 00'	4-29-59	0615-0815	43-58	M.Cl.	78	78	--	54°/4' roller trawl
1155	20° 03'	92° 02'	4-29-59	0850-1050	38-42	M.Cl.	78	78	--	54°/4' roller trawl
1156	20° 00'	92° 00'	4-29-59	1120-1320	32-42	M.Cl.	80	78	--	54°/4' roller trawl
1157	20° 03'	92° 02'	4-29-59	1420-1620	37-41	M.Cl.	82	78.5	--	54°/4' roller trawl
1158	20° 00'	92° 03'	4-29-59	1650-1820	33-32	M.Cl.	79	78.5	--	54°/4' roller trawl
1159	20° 03'	92° 02'	4-29-59	1845-2020	33	M.Cl.	78	78.5	--	54°/4' roller trawl
1160	20° 00'	92° 03'	4-30-59	0535-0735	32-35	M.Cl.	79	78.5	--	54°/4' roller trawl
1161	20° 03'	92° 02'	4-30-59	0805-1005	35-37	M.Cl.	78	79	--	54°/4' roller trawl
1162	20° 00'	92° 03'	4-30-59	1035-1235	37-38	M.Cl.	82	79	--	54°/4' roller trawl
1163	20° 03'	92° 03'	4-30-59	1305-1505	32-37	M.Cl.	84	79.5	--	54°/4' roller trawl
1164	20° 00'	92° 03'	4-30-59	1540-1710	32-39	M.Cl.	82	80	--	54°/4' roller trawl
1165	20° 03'	92° 02'	4-30-59	1745-1850	38	M.Cl.	80	80	--	54°/4' roller trawl
1166	20° 00'	92° 03'	5-1-59	0540-0840	36-40	M.Cl.	79	81.5	--	54°/4' roller trawl
1167	20° 03'	92° 02'	5-1-59	0915-1215	34-32	M.Cl.	80	81.5	--	54°/4' roller trawl
1168	20° 00'	92° 03'	5-1-59	1310-1510	34-46	M.Cl.	82	80.1	--	54°/4' roller trawl
1169	20° 03'	92° 02'	5-1-59	1540-1835	40-35	M.Cl.	82	80.1	--	54°/4' roller trawl
1170	20° 18'	92° 09'	5-2-59	0635-0835	40-38	M.Cl.	79	81	--	54°/4' roller trawl
1171	20° 18'	92° 09'	5-2-59	1015-1245	40	M.Cl.	80	81	--	54°/4' roller trawl
1172	20° 18'	92° 08'	5-2-59	1315-1435	56	M.Cl.	82	81	--	54°/4' roller trawl
1173	20° 18'	92° 09'	5-2-59	1530-1835	56	M.Cl.	82	81	--	54°/4' roller trawl
1174	20° 18'	92° 09'	5-3-59	0720-0900	34	M.Cl.	79	80	--	54°/4' roller trawl
1175	20° 18'	92° 09'	5-3-59	0925-1100	38	M.Cl.	78	80	--	54°/4' roller trawl
1176	29° 08.5'	88° 18'	6-2-59	2252-2352	200	M.	79	82	--	40° flat trawl
1177	29° 12'	88° 03'	6-3-59	0140-0240	200	M.	84	82	--	40° flat trawl
1178	29° 09'	88° 15'	6-3-59	0413-0613	225	M.	84	82	--	40° flat trawl
1179	29° 06'	88° 18.5'	6-3-59	0745-0945	250	M.	81	82	--	40° flat trawl
1180	29° 07'	88° 11'	6-3-59	1130-1400	300	M.	84	82	--	40° flat trawl
1181	29° 03'	88° 20'	6-3-59	1555-1855	400	M.	65	82	--	40° flat trawl
1182	29° 02'	88° 09'	6-3-59	2245-2025	600	M.	80	83	--	40° flat trawl
1183	28° 43.05'	88° 17.05'	6-4-59	0650-1050	800-850	M.	84	82	--	40° flat trawl
1184	23° 56'	87° 32'	6-5-59	2105-2206	150	M.	84	86	--	40° flat trawl
1185	23° 58'	87° 29.5'	6-5-6-59	2400-0100	200	M.	82	86	--	40° flat trawl
1186	24° 00'	87° 12'	6-6-59	0412-0542	350-375	--	82	85	--	40° flat trawl
1187	23° 06'	87° 11'	6-6-59	1523-1607	150	Rk.	65	65	--	40° flat trawl
1188	24° 28'	88° 30'	6-7-59	1730-1830	100	M.S.	84	65	--	40° flat trawl
1189	24° 20.5'	88° 25'	6-7-59	1940-2140	160	M.S.	82	65	--	40° flat trawl
1190	24° 28'	88° 34'	6-7-8-59	2245-2045	180	M.S.	82	65	--	40° flat trawl
1191	24° 28'	88° 29'	6-8-59	0153-0353	200	M.S.	81	65	--	40° flat trawl
1192	24° 34'	88° 35'	6-8-59	0458-0658	220	M.S.	83	65	--	40° flat trawl
1193	24° 24.5'	88° 50'	6-8-59	0810-1010	250	M.S.	65	65	--	40° flat trawl
1194	24° 28.5'	88° 33'	6-8-59	1147-0147	500	M.S.	88	84	--	40° flat trawl
1195	24° 26'	88° 33'	6-8-59	--	350	M.S.	65	84	--	40° flat trawl
1196	24° 11'	88° 21.5'	6-8-59	1821-2121	400	M.S.	85	85	--	40° flat trawl
1197	24° 15'	88° 36'	6-8-59	2315-2025	500	M.S.	81	85	--	40° flat trawl
1198	24° 11'	88° 31'	6-8-59	1050-0900	200	M.S.	81	85	--	40° flat trawl
1199	24° 18'	88° 18'	6-8-59	1005-1405	200	M.S.	88	85	--	40° flat trawl
1200	25° 13'	88° 15'	6-8-59	2400-2020	100	M.S.	87	85	--	40° flat trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					° F.	° F.	° F.	
Fathoms										
1501	34° 05'	76° 25.5'	12-8-59	1940-2040	21	S.Sh.	55	64	69.4	60/80' shrimp trawl
1502	34° 00'	76° 34'	12-8-59	2228-2328	22	S.Sh.	57	64	69.4	60/80' shrimp trawl
1503	33° 48.5'	76° 35'	12-9-59	0135-0235	25	S.	59	72	--	60/80' shrimp trawl
1504	33° 45'	76° 43.5'	12-9-59	0400-0500	25	S.	58	74	--	60/80' shrimp trawl
1505	33° 39'	76° 48'	12-9-59	0615-0745	55-58	--	58	74	--	60/80' shrimp trawl
1506	33° 40.5'	76° 59.5'	12-9-59	0927-1057	21-22	--	58	71	--	60/80' shrimp trawl
1507	33° 42'	77° 11'	12-9-59	1230-1330	21-20	S.Co.	62	69	--	60/80' shrimp trawl
1508	33° 48.5'	77° 27'	12-9-59	1455-1525	18	S.Sh.	60	66	--	60/80' shrimp trawl
1509	33° 58'	77° 25'	12-9-59	1805-1815	14	S.Sh.	58	62	--	60/80' shrimp trawl
1510	34° 17'	77° 06'	12-9-59	2140-2210	14	S.Sh.	58	58	--	8' scallop dredge
1511	34° 18'	77° 02'	12-9-59	2220-2250	14	--	58	58	--	8' scallop dredge
1512	34° 23.5'	76° 56.5'	12-10-59	0225-0255	13	S.Sh.	53	54	--	8' scallop dredge
1513	34° 29'	76° 50'	12-10-59	0345-0417	12	S.Sh.	53	54	--	8' scallop dredge
1514	34° 33.5'	76° 42'	12-10-59	0505-0532	9-8	S.Sh.	53	54	--	8' scallop dredge
1515	33° 37'	76° 49.3'	12-11-59	1900-1945	48-55	Co.S.	67	68	--	8' scallop dredge
1516	33° 36'	76° 50.5'	12-11-59	2025-2053	55-52	Co.S.	67	69	--	8' scallop dredge
1517	33° 30.5'	76° 51'	12-11-59	2150-2251	96-105	Co.S.	67	77	--	8' scallop dredge
1518	31° 27.5'	80° 56'	1-13-60	1900-2000	7 1/2	hrd.S.	--	53	--	40' shrimp trawl
1519	31° 20.5'	81° 04.7'	1-13-60	2145-2245	6 1/2	hrd.S.	58	52	--	40' shrimp trawl
1520	31° 15.5'	80° 52'	1-14-60	0005-0105	5 1/2	--	55	54	--	40' shrimp trawl
1521	31° 13'	80° 58.5'	1-14-60	0212-0312	8 1/2	hrd.S.	61	55.5	--	40' shrimp trawl
1522	31° 13'	80° 25.5'	1-14-60	0510-0610	18	hrd.S.	61	62	--	40' shrimp trawl
1523	31° 13.5'	80° 10.5'	1-14-60	0742-0842	22-22 1/2	S.Sh.	63	68	--	40' scallop dredge
1524	31° 02'	80° 10'	1-14-60	1002-1102	22-21	gy.S.Sh.	60	70	--	40' shrimp trawl
1525	31° 00.5'	80° 22.5'	1-14-60	1218-1318	19-17	--	60	65.5	65.5	40' shrimp trawl
1526	30° 57'	80° 34'	1-14-60	1433-1530	17-15	gy.S.Sh.	60	58	--	40' shrimp trawl
1527	30° 55'	80° 52'	1-14-60	1646-1746	14-12	hrd.S.	60	56	57.3	40' shrimp trawl
1528	30° 54'	81° 05.5'	1-14-60	1912-2012	7 1/2	hrd.S.	58	56.5	57.2	40' shrimp trawl
1529	30° 53'	81° 17'	1-14-60	2150-2250	5 1/2-6	hrd.S.	61	56	57.2	40' shrimp trawl
1530	30° 42'	81° 14'	1-15-60	0020-0125	6 1/2-8	--	60	56	57.3	40' shrimp trawl
1531	30° 40'	80° 58'	1-15-60	0245-0345	10-11	S.	60	58	57.3	40' shrimp trawl
1532	30° 38'	80° 46.5'	1-15-60	0505-0605	13	gy.S.Sh.	61	61	--	40' shrimp trawl
1533	30° 38.5'	80° 53'	1-15-60	0740-0840	18	gy.S.Sh.	61	65	--	40' shrimp trawl
1534	30° 39.5'	80° 17'	1-15-59	1025-1130	22-23	S.Sh.	69	70	--	40' shrimp trawl
1535	30° 34.5'	80° 12'	1-15-60	1310-1410	25	S.Sh.	69	70	--	60/80' balloon trawl
1536	30° 31.5'	80° 31'	1-15-60	1638-1748	19	gy.S.Sh.	69	62	--	60/80' balloon trawl
1537	30° 32.5'	80° 46.5'	1-15-60	1935-2035	16-15	gy.S.Sh.	66	75	--	60/80' balloon trawl
1538	30° 33.5'	80° 19.5'	1-15-60	--	15	--	--	--	--	Night light station
1539	30° 39.5'	80° 45.5'	1-16-60	0440-0540	15-12	gy.S.Sh.	56	60	--	60/80' balloon trawl
1540	30° 48'	81° 06.5'	1-16-60	0825-0925	9-8	gy.S.Sh.	56	55	--	60/80' balloon trawl
1541	30° 56'	80° 56'	1-16-60	1127-1227	11	gy.S.Sh.	68	56	--	60/80' balloon trawl
1542	31° 07'	80° 50'	1-16-60	1350-1450	11-9	S.Sh.	68	55	57.6	60/80' balloon trawl
1543	31° 23'	80° 34.5'	1-16-60	1700-1800	10-11	gy.S.Sh.	53	54	--	60/80' balloon trawl
1544	31° 22.5'	80° 54.5'	1-16-60	1943-2043	14-17	S.gy.S.	53	56	--	60/80' balloon trawl
1545	31° 27'	80° 15'	1-17-60	0500-0600	18-19	gy.S.Sh.	55	66	--	60/80' balloon trawl
1546	31° 16'	80° 12'	1-17-60	0719-0819	23-21	gy.S.Sh.	55	65	--	60/80' balloon trawl
1547	31° 08.5'	80° 22.5'	1-17-60	0940-1040	17-18	gy.S.Sh.	55	65	--	60/80' balloon trawl
1548	30° 52'	80° 18'	1-17-60	1250-1350	22-21	--	70	67	--	60/80' balloon trawl
1549	30° 40'	80° 15.5'	1-17-60	1510-1610	22-25	--	70	73	--	60/80' balloon trawl
1550	30° 34'	80° 17'	1-17-60	1735-1835	22-21	--	65	70	--	60/80' balloon trawl
1551	29° 50'	80° 09'	1-18-60	2030-2330	185	gy.S.	63	73	--	40' shrimp trawl
1552	29° 43.5'	80° 12'	1-19-60	0040-0340	165	gy.S.	55	75	--	40' shrimp trawl
1553	29° 39'	81° 06'	1-19-60	1325-1425	10-9	gy.S.	44	60	--	41/47' shrimp trawl
1554	29° 24.5'	80° 25'	1-19-60	1935-2005	20-22	gy.S.Sh.	51	70	--	8' scallop dredge
1555	29° 27'	80° 20.2'	1-19-60	2045-2115	24-26	gy.S.Sh.	51	71	--	8' scallop dredge
1556	29° 28'	80° 18'	1-19-60	2130-2200	26-27	gy.S.Sh.	51	72	--	8' scallop dredge
1557	29° 30.5'	80° 19'	1-19-60	2225-2255	27-28	gy.S.Sh.	52	73	--	8' scallop dredge
1558	29° 33.5'	80° 16.5'	1-19-60	2330-2400	36	gy.S.Sh.	53	74	--	8' scallop dredge
1559	29° 36'	80° 16.5'	1-20-60	0024-0100	38-41	G.S.Sh.	53	74	--	8' scallop dredge
1560	29° 38'	80° 16.5'	1-20-60	0118-1148	38-41	G.S.Sh.	53	75	--	8' scallop dredge
1561	29° 41'	80° 15'	1-20-60	0205-0235	51	G.S.Sh.	53	75	--	8' scallop dredge
1562	29° 01.5'	80° 42'	1-21-60	1322-1422	9	--	40	60	--	41/47' shrimp trawl
1563	29° 03'	80° 44'	1-21-60	1513-1530	9-10	S.Sh.	40	60	--	8' scallop dredge
1564	29° 04.5'	80° 45.5'	1-21-60	1556-1611	8-9	S.Sh.	42	60	--	8' scallop dredge
1565	29° 04.5'	80° 39'	1-21-60	1705-1735	11	S.Sh.	41	61	--	8' scallop dredge
1566	29° 03.3'	80° 26'	1-21-60	1850-1905	14-15	S.Sh.	47	67	--	8' scallop dredge
1567	29° 01.5'	80° 13.5'	1-21-60	2014-2029	25-27	S.Sh.	47	69	--	8' scallop dredge
1568	29° 03'	80° 12'	1-21-60	2040-2055	27-32	S.Sh.	47	72	--	8' scallop dredge
1569	29° 03'	80° 09.5'	1-21-60	2112-2127	32-37	S.Sh.	47	72	--	8' scallop dredge
1570	29° 03.5'	80° 08'	1-21-60	2141-2156	37-33	S.Sh.	46	72	--	8' scallop dredge
1571	29° 05'	80° 15.5'	1-21-60	2247-2302	25-23	S.Sh.	46	70	--	8' scallop dredge
1572	29° 02.5'	80° 17.5'	1-21-60	2320-2335	23-22	S.Sh.	46	70	--	8' scallop dredge
1573	31° 19'	81° 11'	1-23-60	1525-1555	5-6	M.Sh.	34	47	--	Fall River clam dredge
1574	31° 19'	81° 11'	1-23-60	1617-1632	5	M.S.Sh.	34	48	--	Fall River clam dredge
1575	31° 17.5'	81° 11'	1-23-60	1641-1656	5	M.S.Sh.	34	48	--	14-tooth clam dredge
1576	31° 18'	81° 11.5'	1-23-60	1705-1715	5 1/2	M.Sh.	40	48	--	14-tooth clam dredge
1577	31° 15'	81° 12'	1-23-60	1731-1746	3 1/2	S.	40	48	--	14-tooth clam dredge
1578	31° 12'	81° 13.5'	1-23-60	1825-1840	3 1/2-4	M.	40	47	--	14-tooth clam dredge
1579	31° 11'	81° 14'	1-23-60	1850-1905	4	M.S.	40	47	--	14-tooth clam dredge
1580	31° 09.2'	81° 16.5'	1-23-60	1924-1939	4	M.S.	40	47	--	14-tooth clam dredge
1581	31° 06'	81° 16'	1-23-60	1958-2013	4-4 1/2	--	40	48	--	14-tooth clam dredge
1582	31° 04'	81° 16.5'	1-23-60	2030-2045	4-4 1/2	--	40	48	--	14-tooth clam dredge
1583	31° 01'	81° 17.5'	1-23-60	2105-2122	4 1/2	hrd.S.	40	48	--	14-tooth clam dredge
1584	30° 54.5'	81° 10.5'	1-24-60	0630-0646	7	--	37	48	--	14-tooth clam dredge
1585	30° 55.5'	81° 18.5'	1-24-60	0738-0753	4 1/2	hrd.S.	37	48	--	14-tooth clam dredge
1586	30° 53.5'	81° 19'	1-24-60	0820-0835	4 1/2	hrd.S.	37	48	--	14-tooth clam dredge
1587	30° 50.5'	81° 21'	1-24-60	0859-0902	4 1/2	--	37	48	--	14-tooth clam dredge
1588	30° 43.5'	81° 21.7'	1-24-60	1010-1025	6-5	M.	37	48	--	14-tooth clam dredge
1589	30° 43.8'	81° 23.2'	1-24-60	1032-1047	5 1/2	M.	37	48	--	14-tooth clam dredge
1590	30° 44'	81° 24.3'	1-24-60	1108-1123	4 1/2-5 1/2	M.	37	48	--	14-tooth clam dredge
1591	30° 44.2'	81° 25.8'	1-24-60	1132-1147	3 1/2	M.	42	48	--	14-tooth clam dredge
1592	30° 45.4'	81° 26.2'	1-24-60	1202-1232	3 1/2	M.	42	46	--	14-tooth clam dredge
1593	30° 46.7'	81° 25'	1-24-60	1244-1259	3 1/2	M.	42	46	--	14-tooth clam dredge
1594	30° 45.1'	81° 23.3'	1-24-60	1311-1326	3 1/2	M.	42	46	--	14-tooth clam dredge
1595	30° 38.9'	81° 23.5'	1-24-60	1400-1416	4 1/2-5 1/2	S.Sh.	44	49	--	14-tooth clam dredge
1596	30° 36.9'	81° 24.7'	1-24-60	1427-1442	4	--	42	49	--	14-tooth clam dredge
1597	30° 35.5'	81° 25.5'	1-24-60	1504-1520	3 1/2	--	42	49	--	14-tooth clam dredge
1598	30° 39.4'	81° 22.4'	1-24-60	1543-1600	6-5 1/2	--	42	53	--	14-tooth clam dredge
1599	30° 25.5'	81° 24'	1-24-60	1616-1631	5 1/2-6 1/2	--	42	53	--	14-tooth clam dredge
1600	30° 24.2'	81° 23'	1-24-60	1644-1650	5	--	42	53	--	14-tooth clam dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					° F.	° F.	° F.	
Fathoms										
1.	1601	30°23'	81°23.7'	1-24-60	1715-1719	5	--	42	52	--
1602	30°20.1'	81°22.3'	1-24-60	1743-1758	6½	M.	42	52	--	14-tooth clam dredge
1603	30°18'	81°10'	1-24-60	2000-2200	11	--	--	53	--	Night light station
1604	29°50.5'	80°10'	1-25-60	1805-2105	175-155	M.	53	70	--	41/47' shrimp trawl
1605	29°43.5'	80°10.5'	1-25-60	2220-0120	195	M.	53	74	--	41/47' shrimp trawl
1606	29°40'	80°12.5'	1-26-60	0210-0510	180-200	M.	59	75	--	41/47' shrimp trawl
1607	29°34'	80°09.5'	1-26-60	0600-0900	180-225	M.	59	76	--	41/47' shrimp trawl
1608	29°24'	80°06.5'	1-26-60	1125-1425	190-225	M.	69	76	--	41/47' shrimp trawl
1609	29°18'	80°03'	1-26-60	1510-1810	225-175	M.	72	76	--	41/47' shrimp trawl
1610	29°14.5'	80°02'	1-26-60	1905-2205	210-200	M.	72	76	--	41/47' shrimp trawl
1611	29°06'	80°00'	1-26-60	2250-0150	185-210	M.	64	76	--	41/47' shrimp trawl
1612	29°01'	79°58'	1-27-60	0245-0545	200-210	M.	67	76	--	41/47' shrimp trawl
1613	28°58.5'	79°53.5'	1-27-60	0620-0920	230-215	M.	67	76	--	41/47' shrimp trawl
1614	29°19'	79°59.5'	1-27-60	1050-1350	240-250	M.	72	77	--	41/47' shrimp trawl
1615	29°17.5'	79°59'	1-27-60	1515-1815	240-250	M.	70	77	--	41/47' shrimp trawl
1616	29°19'	80°02'	1-27-60	1930-2040	210	M.	70	77	--	41/47' shrimp trawl
1617	29°24.5'	80°06.5'	1-27-60	2300-0200	185	M.	69	77	--	41/47' shrimp trawl
1618	29°21.5'	80°04.5'	1-28-60	0317-0617	210	M.	69	76	--	41/47' shrimp trawl
1619	29°42.5'	80°06'	1-28-60	0905-1205	200-210	M.	67	73	--	41/47' shrimp trawl
1620	29°56'	80°08'	1-28-60	1240-1410	210	M.	67	75	--	Dip station
1621	30°48.5'	80°29'	1-28-60	2140-2240	20	--	61	58	--	41/47' shrimp trawl
1622	30°48.5'	80°40'	1-29-60	0007-0107	16-14	--	61	54	--	41/47' shrimp trawl
1623	30°49'	80°52'	1-29-60	0220-0320	11-10	--	61	52	--	41/47' shrimp trawl
1624	34°28.8'	76°37.2'	2-22-60	0840-0940	9½-11½	S.Sb.	43	46	--	40° 2-seam shrimp trawl
1625	34°19'	76°34.4'	2-22-60	1058-1158	12	S.Sb.	44	48	--	41/47' shrimp trawl
1626	34°08'	76°26.5'	2-22-60	1320-1420	20	S.Sb.	44	60	--	41/47' shrimp trawl
1627	34°16.5'	76°15.5'	2-22-60	1537-1637	19-17	S.Sb.	46	49	--	41/47' shrimp trawl
1628	34°27'	76°06.5'	2-22-60	1800-1902	22	S.Sb.	45	61	--	41/47' shrimp trawl
1629	34°36.5'	76°06'	2-22-60	2015-2115	18½-17½	S.Sb.	40	62	--	41/47' shrimp trawl
1630	34°49'	76°09.5'	2-22-60	2240-2340	12-10	S.G.	40	48	--	41/47' shrimp trawl
1631	34°57'	76°03'	2-23-60	0105-0205	10-9	S.G.	40	47	--	41/47' shrimp trawl
1632	34°59'	75°51'	2-23-60	0320-0420	12	S.	43	48	--	41/47' shrimp trawl
1633	34°58'	75°36.5'	2-23-60	0545-0645	19-17	S.Sb.	40	59	--	41/47' shrimp trawl
1634	35°02'	75°26'	2-23-60	0605-0905	30-32	S.	42	65	--	41/47' shrimp trawl
1635	35°06'	75°06.5'	2-23-60	1045-1215	100	S.Sb.	43	65	--	41/47' shrimp trawl
1636	34°54'	75°22.5'	2-23-60	1412-1543	102-100	S.Sb.	44	65	--	40° 2-seam shrimp trawl
1637	34°48.5'	75°57'	2-23-60	1720-1820	30-25	S.	41	56	61.16	41/47' shrimp trawl
1638	34°49'	75°51'	2-23-60	1952-2052	17-15	S.Sb.	40	57	56.48	41/47' shrimp trawl
1639	34°55'	76°04.5'	2-23-60	2215-2315	12-11	S.Sb.	40	54	--	41/47' shrimp trawl
1640	34°47.5'	76°18.5'	2-23/24-60	2430-0130	9	S.Sb.	40	49	51.8	41/47' shrimp trawl
1641	34°45'	76°21'	2-24-60	0150-0250	9	S.Sb.	40	47	--	41/47' shrimp trawl
1642	34°58.5'	76°24'	2-24-60	0350-0450	9-10	S.Sb.	42	45	--	41/47' shrimp trawl
1643	34°46'	76°08.5'	2-24-60	0607-0709	18-20	S.Sb.	42	59	--	41/47' shrimp trawl
1644	34°36'	76°06.5'	2-24-60	0745-0815	20-19	S.Sb.	45	60	--	8° scallop dredge
1645	34°38'	76°07.5'	2-24-60	0827-0857	19	S.Sb.	44	60	--	8° scallop dredge
1646	34°39'	76°04.5'	2-24-60	1927-1957	19	S.Sb.	46	59	--	8° scallop dredge
1647	34°41.5'	76°00.5'	2-24-60	1032-1107	19	S.Sb.	46	52	--	8° scallop dredge
1648	34°43'	75°55.5'	2-24-60	1137-1207	19	S.Sb.	56	56	--	8° scallop dredge
1649	34°46'	75°56.5'	2-24-60	1237-1307	16	S.	46	56	56.88	8° scallop dredge
1650	34°45'	76°02'	2-24-60	1355-1405	16	S.	46	56	--	8° scallop dredge
1651	34°44'	76°07.5'	2-24-60	1437-1507	16	S.	46	53	56.88	8° scallop dredge
1652	34°56'	76°12.5'	2-24-60	1600-1650	21-20	S.Sb.	46	60	59.0	8° scallop dredge
1653	34°38.5'	76°06.5'	2-24-60	1710-1740	18	S.Sb.	46	60	--	8° scallop dredge
1654	34°38.5'	75°59'	2-24-60	1843-1943	21-20	S.Sb.	53	60	--	41/47' shrimp trawl
1655	34°45'	75°49'	2-24-60	2102-2202	21-18	S.Sb.	57	57	--	41/47' shrimp trawl
1656	34°54'	75°41'	2-24-60	2322-0022	20-24	S.	57	63	--	41/47' shrimp trawl
1657	34°45'	75°47'	2-25-60	0150-0250	24-22	S.	57	63	--	41/47' shrimp trawl
1658	34°36'	75°48.5'	2-25-60	0435-0535	32-30	S.Sb.	55	61	--	41/47' shrimp trawl
1659	34°33'	76°48.5'	2-26-60	0858-0958	10-11	G.Sb.	44	63	51.4	41/47' shrimp trawl
1660	34°19.5'	76°46.5'	2-26-60	1122-1222	14-15	S.Sb.	50	57	52.7	41/47' shrimp trawl
1661	34°10'	76°52.5'	2-26-60	1347-1447	16	S.Sb.	50	54	--	40° flat shrimp trawl
1662	34°08'	77°10'	2-26-60	1645-1745	15	S.	50	56	58.8	41/47' shrimp trawl
1663	34°20'	77°22.5'	2-26-60	1940-2040	9-8	S.	46	47	--	41/47' shrimp trawl
1664	34°18.5'	77°54.5'	2-26-60	2145-2245	7	S.	44	45	--	41/47' shrimp trawl
1665	34°09'	77°43'	2-27-60	0000-0100	7	S.Sb.	41	47	--	41/47' shrimp trawl
1666	33°57.5'	77°50.5'	2-27-60	0215-0315	6	S.Sb.	41	47	--	41/47' shrimp trawl
1667	33°45'	77°52'	2-27-60	0450-0530	5	S.G.	39	47	--	41/47' shrimp trawl
1668	33°56.5'	77°40'	2-27-60	0700-0800	6½-9	S.G.	39	48	52.7	41/47' shrimp trawl
1669	33°25.5'	77°51.5'	2-27-60	0920-1020	12-13	S.Sb.	57	52	--	41/47' shrimp trawl
1670	34°11'	77°18'	2-27-60	1220-1350	105-100	S.	58	62	--	41/47' shrimp trawl
1671	33°06'	77°11'	2-27-60	1453-1653	150	M.	59	62	--	41/47' shrimp trawl
1672	33°11'	77°31'	2-27-60	1916-2017	32-30	S.	46	62	--	41/47' shrimp trawl
1673	33°14.5'	77°11'	2-27-60	2137-2237	19	S.	46	60	--	41/47' shrimp trawl
1674	33°21.5'	77°53'	2-28-60	0000-0100	16-15	S.Sb.	47	58	--	41/47' shrimp trawl
1675	33°31.5'	78°05'	2-28-60	0215-0315	15-11	S.	47	51	--	41/47' shrimp trawl
1676	33°38.5'	78°09.5'	2-28-60	0425-0525	9	S.	46	48	--	41/47' shrimp trawl
1677	33°50.15'	78°04.07'	2-28-60	0707-0722	5-5½	M.	45	47	--	14-tooth clam dredge
1678	33°50.5'	78°05'	2-28-60	0750-0745	5½-6	M.	46	47	--	14-tooth clam dredge
1679	33°51'	78°05'	2-28-60	0802-0815	5½-5	M.	54	47	--	14-tooth clam dredge
1680	33°53.1'	78°04.5'	2-28-60	0851-0906	5½	M.	--	47	--	14-tooth clam dredge
1681	33°50'	78°01'	2-28-60	0947-1002	4	M.	64	47	--	14-tooth clam dredge
1682	33°49'	78°02'	2-28-60	1035-1050	6-6½	M.	64	47	--	14-tooth clam dredge
1683	33°48'	78°02.5'	2-28-60	1100-1115	6-6½	M.	64	47	--	14-tooth clam dredge
1684	33°49'	78°02'	2-28-60	1132-1147	6-6½	M.	64	48	--	14-tooth clam dredge
1685	33°46.2'	78°01'	2-28-60	1155-1210	5½	M.	64	48	--	14-tooth clam dredge
1686	33°47'	78°01'	2-28-60	1220-1235	5½	M.	64	48	--	14-tooth clam dredge
1687	33°47.2'	77°59.8'	2-28-60	1240-1255	5½	M.	64	48	--	14-tooth clam dredge
1688	33°49'	78°02'	2-28-60	1357-1400	5-6½	M.	64	48	--	14-tooth clam dredge
1689	33°50'	78°01'	2-28-60	1427-1442	4-4½	M.	54	48	51.44	14-tooth clam dredge
1690	33°45'	77°58.5'	2-28-60	1525-1545	6½-7	S.	54	48	--	14-tooth clam dredge
1691	33°22.5'	77°29.5'	2-28-60	2025-2125	14-18	S.G.	61	56	--	41/47' shrimp trawl
1692	33°21'	77°17.5'	2-28-60	2250-2350	25-26	S.G.	61	60	--	41/47' shrimp trawl
1693	33°25'	77°00'	2-29-60	0115-0245	102-104	M.	61	65	--	41/47' shrimp trawl
1694	33°36'	76°44'	2-29-60	0435-0605	104	M.S.	58	65	--	41/47' shrimp trawl
1695	33°57.5'	77°01'	2-29-60	1007-1030	19	S.	60	56	--	8° scallop dredge
1696	33°57'	76°54.5'	2-29-60	1131-1201	18	S.Sb.	56	57	59.5	8° scallop dredge
1697	34°01'	76°51'	2-29-60	1234-1305	18	S.Sb.	56	56	--	8° scallop dredge
1698	34°03.5'	76°44'	2-29-60	1400-1430	20	S.Sb.	56	55	--	8° scallop dredge
1699	34°05.5'	76°43.5'	2-29-60	1512-1542	21	S.Sb.	56	55	--	8° scallop dredge
1700	34°09.5'	76°31'	2-29-60	1645-1715	17	S.	56	59	--	8° scallop dredge

Table 4--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.						° F.	° F.	
1701	34°12'	76°29.5'	2-29-60	1728-1758	17	S.	50	59	--	8' scallop dredge
1702	34°17.5'	76°33.5'	2-29-60	1852-1922	17	S.C.	50	59	61.3	8' scallop dredge
1703	34°14'	76°40'	2-29-60	2008-2038	16-18	Sb.C.	50	59	--	8' scallop dredge
1704	34°13'	76°48.5'	2-29-60	2125-2155	16-17	Sb.C.	48	53	--	8' scallop dredge
1705	34°12.5'	77°00'	3-1-60	0115-0145	15	S.	46	54	--	8' scallop dredge
1706	34°16'	77°05'	3-1-60	0235-0305	13	S.	41	48	--	8' scallop dredge
1707	34°39'	76°35'	3-2-60	0750-0805	6	M.	32	45	--	14-tooth clam dredge
1708	34°38'	76°35'	3-2-60	0817-0832	6	S.M.	36	47	--	14-tooth clam dredge
1709	34°33'	76°35'	3-2-60	0842-0857	7-7½	M.	36	47	--	14-tooth clam dredge
1710	34°36'	76°35'	3-2-60	0905-0935	7½-7	M.	38	48	--	14-tooth clam dredge
1711	34°35'	76°33'	3-2-60	0949-1019	5	M.	40	47	--	14-tooth clam dredge
1712	34°36.5'	76°34.6'	3-2-60	1029-1059	5	M.	40	46	--	14-tooth clam dredge
1713	34°36.5'	76°34.6'	3-2-60	--	8-6	M.	40	46	--	14-tooth clam dredge
1714	34°37.1'	76°33.8'	3-2-60	1152-1222	6	M.S.	40	48	--	14-tooth clam dredge
1715	34°37.5'	76°33.6'	3-2-60	1232-1307	6-4	M.	35	47	--	14-tooth clam dredge
1716	34°39.5'	76°35'	3-2-60	1312-1342	4-5	S.M.	35	47	--	14-tooth clam dredge
1717	34°39.6'	76°36.6'	3-2-60	1350-1422	5-5½	M.	33	46	--	14-tooth clam dredge
1718	34°39.7'	76°38'	3-2-60	1432-1502	5½	M.	32	45	--	14-tooth clam dredge
1719	34°39.4'	76°39.9'	3-2-60	1510-1540	5½	S.M.	30	45	--	14-tooth clam dredge
1720	34°39.5'	76°41.5'	3-2-60	1550-1620	7	S.M.	30	44	--	14-tooth clam dredge
1721	34°48.5'	76°13.5'	3-5-60	2100-2200	8-6½	S.S.	28	42	--	41/47' shrimp trawl
1722	33°46.5'	76°26.5'	3-5/6-60	2355-0055	5	S.S.	28	42	--	41/47' shrimp trawl
1723	33°43.5'	78°41'	3-6-60	0220-0320	5	S.S.	26	41	--	41/47' shrimp trawl
1724	33°36.5'	78°52.5'	3-6-60	0435-0535	5	S.S.	25	41	--	41/47' shrimp trawl
1725	33°24.5'	78°57.5'	3-6-60	0657-0757	5-6½	S.S.	25	41	--	41/47' shrimp trawl
1726	33°12'	78°03.5'	3-6-60	0910-1010	5	S.S.	42	44	--	41/47' shrimp trawl
1727	33°04.5'	78°55'	3-6-60	1125-1225	7½-8½	S.	44	47	53.96	41/47' shrimp trawl
1728	33°09'	78°45.5'	3-6-60	1340-1440	10	S.S.	32	48	--	41/47' shrimp trawl
1729	33°17'	78°35'	3-6-60	1555-1655	10½-11	S.S.	38	49	54.5	41/47' shrimp trawl
1730	33°26'	78°30'	3-6-60	1816-1916	11-12	S.S.	36	50	--	41/47' shrimp trawl
1731	33°23.5'	78°20'	3-6-60	2032-2132	13-14	S.	38	56	--	41/47' shrimp trawl
1732	33°03.5'	78°20'	3-6-60	2312-2412	16	S.	38	58	--	41/47' shrimp trawl
1733	33°00.5'	78°26'	3-7-60	0132-0232	17	S.S.	37	60	58.55	41/47' shrimp trawl
1734	32°51.5'	78°39'	3-7-60	0405-0505	17	S.S.	37	57	58.55	41/47' shrimp trawl
1735	32°46'	78°30'	3-7-60	0625-0725	22	S.S.	38	60	61.98	41/47' shrimp trawl
1736	32°53.5'	78°19'	3-7-60	0844-0944	20-19	S.S.	40	62	--	41/47' shrimp trawl
1737	33°00.5'	78°10'	3-7-60	1102-1202	18	S.	44	62	--	41/47' shrimp trawl
1738	33°04'	77°59'	3-7-60	1315-1415	20½-21	S.S.	44	65	--	41/47' shrimp trawl
1739	32°56.5'	77°47.5'	3-7-60	1555-1725	100-102	S.	46	62	--	41/47' shrimp trawl
1740	32°48.5'	77°57'	3-7-60	1655-1825	125-128	S.	43	62	--	41/47' shrimp trawl
1741	32°41'	78°16.5'	3-7-60	2255-2306	102	S.	44	64	--	41/47' shrimp trawl
1742	32°41'	78°27'	3-8-60	0105-0230	58-45	S.	40	66	--	41/47' shrimp trawl
1743	32°37.5'	78°49'	3-8-60	0422-0522	21-18	S.M.	43	59	--	41/47' shrimp trawl
1744	32°45.5'	78°59'	3-8-60	0644-0744	14	S.S.	44	50	--	41/47' shrimp trawl
1745	32°52'	79°07'	3-8-60	0910-1010	11-10	S.S.	35	48	--	41/47' shrimp trawl
1746	32°59'	79°06'	3-8-60	1123-1223	5	S.S.	35	46	--	41/47' shrimp trawl
1747	32°54'	79°22.5'	3-8-60	1325-1425	5-6	S.S.	38	47	--	41/47' shrimp trawl
1748	32°44.5'	79°18.5'	3-8-60	1540-1640	10	S.G.	42	56.3	55.4	41/47' shrimp trawl
1749	32°33.5'	79°20.5'	3-8-60	--	13-15	S.G.	44	62	60.26	41/47' shrimp trawl
1750	32°26.5'	79°10'	3-8-60	2029-2129	21-22	S.C.	44	62	--	41/47' shrimp trawl
1751	32°21.5'	79°57'	3-8-60	2255-2355	40	S.C.	43	62	--	41/47' shrimp trawl
1752	32°21'	78°49'	3-9-60	0155-0325	98-103	S.	44	63	--	41/47' shrimp trawl
1753	32°15'	78°55.5'	3-9-60	0410-0610	102-105	S.	46	63	--	41/47' shrimp trawl
1754	32°06.5'	79°11.5'	3-9-60	0740-0840	49-50	S.	48	62	--	41/47' shrimp trawl
1755	32°08.5'	79°23.5'	3-9-60	1002-1102	22	gy.S.	48	62	--	41/47' shrimp trawl
1756	32°39.5'	79°21.5'	3-10-60	1308-1358	10-10½	S.S.	42	48	--	8' scallop dredge
1757	32°43.5'	79°16.5'	3-10-60	1412-1443	10½	S.S.	42	50	--	8' scallop dredge
1758	32°42'	79°13.5'	3-10-60	1522-1552	12	S.S.	42	53	--	8' scallop dredge
1759	32°39.5'	79°13'	3-10-60	1600-1630	14½	S.S.	42	61	--	8' scallop dredge
1760	32°40'	79°07'	3-10-60	1710-1740	14½-15½	S.S.	45	61	58.1	8' scallop dredge
1761	32°42'	78°58.5'	3-10-60	1822-1852	16-16½	S.S.	45	61	--	8' scallop dredge
1762	32°42'	78°51'	3-10-60	1938-2008	17-18	S.S.	45	60	--	8' scallop dredge
1763	32°39'	78°43'	3-10-60	2052-2122	21	S.S.	45	61	61.9	8' scallop dredge
1764	32°38.5'	78°35.5'	3-10-60	2215-2228	27	S.S.	45	61	--	8' scallop dredge
1765	32°34'	78°39'	3-11-60	0445-0115	25	S.S.	45	63	--	8' scallop dredge
1766	32°15'	79°05.5'	3-11-60	0510-0610	40-38	S.	45	68	--	41/47' shrimp trawl
1767	32°08.5'	79°17.5'	3-11-60	0740-0840	35	S.	50	64	--	41/47' shrimp trawl
1768	31°19'	80°33.5'	3-13-60	1342-1412	14½-15½	S.S.	48	54	--	8' scallop dredge
1769	31°20.5'	80°29'	3-13-60	1450-1520	16-15½	S.S.	48	52	--	8' scallop dredge
1770	31°23'	80°16.5'	3-13-60	1603-1634	20	--	50	51	53.8	8' scallop dredge
1771	31°24'	80°10.5'	3-13-60	1720-1750	20½-22	S.S.	50	49	--	8' scallop dredge
1772	31°24.5'	80°01.5'	3-13-60	1805-1935	22½	S.S.	50	48	--	8' scallop dredge
1773	31°28'	80°02'	3-13-60	2017-2047	23½-25	S.S.	48	48	--	8' scallop dredge
1774	31°32'	80°07'	3-13-60	2132-2202	22½	S.S.	46	46	60.8	8' scallop dredge
1775	31°32'	80°07'	3-13-60	2252-2322	18	S.S.	46	46	--	8' scallop dredge
1776	31°34.5'	80°15'	3-14-60	0005-0035	17-16	S.S.	46	50	--	8' scallop dredge
1777	31°40'	80°21'	3-14-60	0115-0145	15-14½	S.S.	46	50	--	8' scallop dredge
1778	31°41'	80°14'	3-14-60	0225-0255	14½-15½	S.S.	46	51	--	8' scallop dredge
1779	31°42.5'	80°04'	3-14-60	0358-0408	18-19	S.S.	46	56	--	8' scallop dredge
1780	31°43.5'	79°57.5'	3-14-60	0450-0520	20-21	S.S.	46	60	--	8' scallop dredge
1781	31°45.5'	79°47.5'	3-14-60	0606-0636	22-23	S.S.	48	64	60.98	8' scallop dredge
1782	31°49.5'	79°56.5'	3-14-60	0720-0750	19	S.S.	48	63	--	8' scallop dredge
1783	31°53'	79°49'	3-14-60	0833-0903	19-22	S.	54	62	--	8' scallop dredge
1784	31°56'	79°49.5'	3-14-60	0945-1015	19-17	S.	55	59	--	8' scallop dredge
1785	31°58'	79°47.5'	3-14-60	1100-1130	16-18	S.S.	56	61	--	8' scallop dredge
1786	32°00.5'	79°39'	3-14-60	1210-1240	23	S.	55	64	--	8' scallop dredge
1787	32°00.5'	79°32'	3-14-60	1320-1350	25-26	gy.S.	55	65	--	8' scallop dredge
1788	32°01'	79°24'	3-14-60	1435-1505	35-45	gy.S.	50	66	--	8' scallop dredge
1789	32°01.5'	79°14.5'	3-14-60	1551-1621	55-70	S.	50	68	--	8' scallop dredge
1790	32°02.5'	79°07'	3-14-60	1738-1823	100-103	S.S.	51	68	--	8' scallop dredge
1791	31°58.5'	79°12.5'	3-14-60	--	90	M.	56	68	--	70/90' fish trawl
1792	31°58'	79°11'	3-14-60	--	100	--	56	66	--	Dip station
1793	32°07.5'	79°21'	3-15-60	0010-0040	25	S.	60	64	--	8' scallop dredge
1794	32°10'	79°22.5'	3-15-60	0125-0215	20½-21	S.	60	60	--	8' scallop dredge
1795	32°28.5'	79°59'	3-16-60	1548-1648	5½-6	S.	55	44	--	41/47' shrimp trawl
1796	32°14'	79°57'	3-16-60	1826-1926	12-13	S.S.	46	53	--	41/47' shrimp trawl
1797	32°04'	79°51'	3-16-60	2045-2145	14-15	S.S.	45	60	--	41/47' shrimp trawl
1798	31°52.5'	79°49.5'	3-16-60	2305-0005	20	S.	48	61	--	41/47' shrimp trawl
1799	31°54'	79°57.5'	3-17-60	0117-0217	16-13	S.S.	48	62	--	41/47' shrimp trawl
1800	32°04'	80°06'	3-17-60	0352-0432	11-10	S.S.	48	56	54.32	41/47' shrimp trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1801	32°09'	80°21'	3-17-60	0545-0645	8½	gy.S.Sh.	40	48	--	41/47' 2-seam shrimp trawl
1802	31°59.5'	80°20'	3-17-60	0900-0900	13-14	S.Sb.	40	49	--	41/47' 2-seam shrimp trawl
1803	31°50'	80°09'	3-17-60	1015-1115	12-16½	S.G.Sh.	50	51	--	41/47' 2-seam shrimp trawl
1804	31°40.5'	80°02'	3-17-60	1230-1330	20-21	gy.S.Sh.	50	63	--	41/47' 2-seam shrimp trawl
1805	31°51'	79°55'	3-17-60	1445-1545	22	gy.S.Sh.	50	64	--	41/47' 2-seam shrimp trawl
1806	31°52'	80°05'	3-17-60	1700-1800	19	gy.S.Sh.	50	63	--	41/47' 2-seam shrimp trawl
1807	31°40'	80°18'	3-17-60	1917-2017	15-14	S.	53	55	--	41/47' 2-seam shrimp trawl
1808	31°28.5'	80°27'	3-17-60	2130-2230	14	S.	50	52	--	41/47' 2-seam shrimp trawl
1809	31°26'	80°18.5'	3-17/18-60	2345-0045	20	S.Sb.	60	57	--	41/47' 2-seam shrimp trawl
1810	30°54'	80°29'	4-13-60	1506-1536	20	gy.S.Sh.	68	63	--	41/47' 2-seam shrimp trawl
1811	30°54.5'	80°22.5'	4-13-60	1546-1601	20	gy.S.Sh.	68	64	--	8' scallop dredge
1812	30°52.5'	80°15'	4-13-60	1715-1730	21	gy.S.Sh.	74	66	--	8' scallop dredge
1813	30°56'	80°13'	4-13-60	1800-1815	22	gy.S.Sh.	74	69	66.38	8' scallop dredge
1814	30°58.5'	80°11.5'	4-13-60	1842-1855	21	gy.S.Sh.	--	69	--	8' scallop dredge
1815	30°59.5'	80°10.5'	4-13-60	1914-1929	21	S.Sb.	74	68	--	8' scallop dredge
1816	30°50'	80°07'	4-13-60	2000-2030	22	S.Sb.	74	73	--	8' scallop dredge
1817	31°03.5'	80°00.5'	4-13-60	2135-2205	25	S.Sb.	70	73	--	8' scallop dredge
1818	31°00.5'	80°04'	4-13-60	2255-2325	22-21	S.Sb.	70	73	--	8' scallop dredge
1819	29°35'	80°30.5'	4-13-60	1002-1032	17-16½	Sb.gy.S.	68	65	--	8' scallop dredge
1820	29°33'	80°25.5'	4-14-60	1059-1129	19	gy.S.Sh.	70	68	61.52	8' scallop dredge
1821	29°32'	80°23.5'	4-14-60	1145-1215	20	gy.S.Sh.	72	62	--	8' scallop dredge
1822	29°28.5'	80°19.5'	4-14-60	1326-1356	21	gy.S.Sh.	73	72	--	8' scallop dredge
1823	29°28'	80°16.5'	4-14-60	1430-1500	30-27	gy.S.Sh.	73	71	--	8' scallop dredge
1824	29°25'	80°12.5'	4-14-60	1530-1550	40	gy.S.	71	71	--	8' scallop dredge
1825	29°23.5'	80°17.5'	4-14-60	1620-1650	27-26	gy.S.	69	70	--	8' scallop dredge
1826	29°20.5'	80°19'	4-14-60	1725-1755	23	gy.S.Sh.	80	68	--	8' scallop dredge
1827	29°17.5'	80°23.5'	4-14-60	1825-1855	18	gy.S.Sh.	80	67	60.8	8' scallop dredge
1828	29°15'	80°25'	4-14-60	1925-1955	15-16	S.Sb.	80	66	--	8' scallop dredge
1829	29°12.5'	80°29'	4-14-60	2025-2055	15	S.Sb.	75	66	--	8' scallop dredge
1830	29°12.5'	80°52.5'	4-14-60	2128-2200	15	S.Sb.	75	66	--	8' scallop dredge
1831	29°08'	80°35'	4-14-60	2228-2258	15	S.Sb.	75	66	--	8' scallop dredge
1832	29°05.5'	80°38.5'	4-14-60	2327-2357	10	S.Sb.	68	66	--	8' scallop dredge
1833	29°03.5'	80°37'	4-15-60	0025-0555	10-11	G.S.	68	65	--	8' scallop dredge
1834	29°03.5'	80°31'	4-15-60	0127-0157	11	G.S.	67	65	67.1	8' scallop dredge
1835	29°04'	80°30'	4-15-60	0228-0300	15-14	gy.S.Sh.	68	65	--	8' scallop dredge
1836	29°06'	80°25'	4-15-60	0310-0340	14	gy.S.Sh.	68	66	--	8' scallop dredge
1837	29°09'	80°23.5'	4-15-60	0410-0440	14-16	gy.S.Sh.	68	65	--	8' scallop dredge
1838	29°09.5'	80°19'	4-15-60	0500-0530	19	gy.S.Sh.	68	65	--	10' scallop dredge
1839	29°12'	80°21.5'	4-15-60	0542-0612	17	gy.S.Sh.	68	66	59.9	10' scallop dredge
1840	29°14.5'	80°24.5'	4-15-60	0640-0710	16-14	S.Sb.	67	66	--	10' scallop dredge
1841	29°15'	80°26'	4-15-60	0725-0755	14-15½	S.Sb.	67	66	--	10' scallop dredge
1842	29°13'	80°26'	4-15-60	0828-0858	15	S.Sb.	67	66	--	10' scallop dredge
1843	29°10'	80°26.5'	4-15-60	0932-1002	15-14	S.Sb.	67	66	--	10' scallop dredge
1844	29°06'	80°26.2'	4-15-60	1035-1103	14½	S.Sb.	76	65	64.4	10' scallop dredge
1845	29°03'	80°25'	4-15-60	1134-1205	14½-15	S.Sb.	78	65	--	10' scallop dredge
1846	29°01'	80°22.5'	4-15-60	1230-1300	15	gy.S.	78	66	--	10' scallop dredge
1847	28°58'	80°23.5'	4-15-60	1325-1355	15	gy.S.	76	66	61.7	10' scallop dredge
1848	28°55'	80°20.5'	4-15-60	1427-1500	15-14	gy.S.	76	66	--	10' scallop dredge
1849	28°53.5'	80°20'	4-15-60	1526-1556	18	gy.S.	76	68	60.08	10' scallop dredge
1850	28°53'	80°15.5'	4-15-60	1607-1637	20	gy.S.Sh.	70	68	--	10' scallop dredge
1851	28°57.5'	80°15'	4-15-60	1710-1740	21-20	gy.S.Sh.	70	66	--	10' scallop dredge
1852	29°03'	80°18.5'	4-15-60	1827-1857	20	S.Sb.	79	66	59.9	8' scallop dredge
1853	29°07'	80°17'	4-15-60	1927-1957	22-23	S.Sb.	69	66	--	8' scallop dredge
1854	29°10'	80°16.5'	4-15-60	2010-2040	23-24	S.Sb.	69	66	--	8' scallop dredge
1855	29°15'	80°16.5'	4-15-60	2112-2136	25-23	S.Sb.	69	66	--	8' scallop dredge
1856	29°18.5'	80°15'	4-15-60	2146-2216	29-30	S.	69	66	--	8' scallop dredge
1857	29°19.5'	80°15'	4-15-60	2246-2316	28	S.	69	66	--	8' scallop dredge
1858	29°21.5'	80°11'	4-15-60	2347-0030	40	S.Sb.	71	66	--	8' scallop dredge
1859	29°22'	80°20'	4-16-60	0130-0200	20-18	gy.S.Sh.	70	66	--	8' scallop dredge
1860	29°24.5'	80°26'	4-16-60	0230-0300	14-15	G.S.S.	70	67	--	8' scallop dredge
1861	29°26'	80°29.5'	4-16-60	0325-0355	14-13½	gy.S.Sh.	69	67	67.1	8' scallop dredge
1862	29°26.5'	80°34'	4-16-60	0425-0455	12-13½	gy.S.Sh.	68	67	--	8' scallop dredge
1863	29°24'	80°35'	4-16-60	0505-0535	13½-15½	gy.S.Sh.	68	67	--	8' scallop dredge
1864	29°21.5'	80°35.5'	4-16-60	0605-0635	15	gy.S.Sh.	67	68	--	8' scallop dredge
1865	29°17.5'	80°31'	4-16-60	0703-0733	15	gy.S.Sh.	67	66	32.6	8' scallop dredge
1866	29°14.5'	80°28.5'	4-16-60	0801-0831	16-15	gy.S.Sh.	70	66	--	8' scallop dredge
1867	29°11'	80°27'	4-16-60	0900-0930	16-16½	gy.S.Sh.	70	65	--	8' scallop dredge
1868	29°07'	80°23.5'	4-16-60	0957-1027	15½-17	S.Sb.	71	67	--	8' scallop dredge
1869	29°05.5'	80°16'	4-16-60	1125-1155	25-26	S.	79	67	--	8' scallop dredge
1870	29°05.5'	80°10'	4-16-60	1250-1520	29	S.	78	74	62.6	8' scallop dredge
1871	29°01'	80°11.5'	4-16-60	1405-1435	26-25	S.	78	74	--	8' scallop dredge
1872	28°55'	80°15'	4-16-60	1522-1552	22½	S.	76	74	--	8' scallop dredge
1873	28°47.5'	80°14.5'	4-16-60	1635-1705	20	sh.S.	80	74	--	8' scallop dredge
1874	28°45.5'	80°10'	4-16-60	1737-1807	15	S.Sb.	80	73	--	8' scallop dredge
1875	28°49.1'	80°17.5'	4-16-60	1835-1903	15	S.Sb.	85	68	--	8' scallop dredge
1876	28°37.5'	80°10'	4-16-60	1933-2003	15	S.Sb.	70	66	--	8' scallop dredge
1877	28°35.5'	80°19'	4-16-60	2030-2100	15	S.Sb.	70	66	--	8' scallop dredge
1878	28°29.5'	80°18'	4-16-60	2135-2205	14	S.Sb.	71	66	67.46	8' scallop dredge
1879	28°26.5'	80°17.5'	4-16-60	2235-2303	--	S.Sb.	71	67	--	8' scallop dredge
1880	28°22.5'	80°16.5'	4-16-60	2351-0001	--	S.Sb.	70	69	--	8' scallop dredge
1881	28°20'	80°15'	4-17-60	0030-0100	15	sh.S.	70	72	--	8' scallop dredge
1882	28°20.5'	80°13'	4-17-60	0130-0200	15	sh.	72	71	--	8' scallop dredge
1883	28°13'	80°09.5'	4-17-60	0230-0300	20-21	gy.S.Sh.	72	74	--	8' scallop dredge
1884	28°14.5'	80°07.5'	4-17-60	0312-0342	21-22	sh.S.	70	74	--	8' scallop dredge
1885	28°12'	80°11.5'	4-17-60	--	20	Sb.S.	70	72	--	8' scallop dredge
1886	28°22'	80°10'	4-17-60	0510-0540	20	S.Sb.	68	74	--	8' scallop dredge
1887	28°26.5'	80°11'	4-17-60	0608-0638	20	S.Sb.	70	70	65	8' scallop dredge
1888	28°32'	80°13.5'	4-17-60	0707-0737	20	S.Sb.	70	68	--	8' scallop dredge
1889	28°33.5'	80°13.5'	4-17-60	0757-0827	20	S.Sb.	75	69	--	10' scallop dredge
1890	28°34.2'	80°13'	4-17-60	0902-0932	20	S.Sb.	75	69	--	10' scallop dredge
1891	28°30'	80°12.5'	4-17-60	1004-1034	20	S.Sb.	75	69	--	10' scallop dredge
1892	28°26.5'	80°12'	4-17-60	1105-1135	20	S.Sb.	75	72	--	10' scallop dredge
1893	28°23'	80°07'	4-17-60	1205-1235	20	S.Sb.	82	72	--	10' scallop dredge
1894	28°21'	80°06.5'	4-17-60	1320-1350	25	S.Sb.	82	73	65.1	10' scallop dredge
1895	28°25.5'	80°05.5'	4-17-60	1426-1456	25	S.Sb.	80	73	--	10' scallop dredge
1896	28°32.5'	80°07'	4-17-60	1545-1615	25	S.Sb.	80	73	--	10' scallop dredge
1897	28°40'	80°10.5'	4-17-60	1705-1735	25	S.Sb.	72	73	60.8	10' scallop dredge
1898	28°45.5'	80°11.5'	4-17-60	1808-1838	25	S.Sb.	73	74	--	10' scallop dredge
1899	28°49.5'	80°13.3'	4-17-60	1913-1943	25	sh.	73	73	--	10' scallop dredge
1900	28°54'	80°11.5'	4-17-60	2013-2043	27	sh.	70	73	61.52	10' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Sec.	
Fathoms										
1901	28°55.5'	80°10'	4-17-60	2136-2206	31-30	Sh.	70	73	--	10' scallop dredge
1902	28°55.5'	80°09'	4-17-60	2236-2308	35	Sh.	70	73	--	10' scallop dredge
1903	28°50.5'	80°06.5'	4-17/18-60	2342-0012	30-31	Sh.	71	72	--	10' scallop dredge
1904	28°42.5'	80°21'	4-18-60	0315-0345	15-14	Sh.S.	71	73	--	10' scallop dredge
1905	28°52'	80°23'	4-18-60	0415-0445	14	gy.S.	70	68	--	10' scallop dredge
1906	28°53'	80°21'	4-18-60	0515-0545	14-12	gy.S.	70	67	--	10' scallop dredge
1907	28°59'	80°28.5'	4-18-60	0618-0648	12-11	S.	68	67	65	8' scallop dredge
1908	28°03.5'	80°32.5'	4-18-60	0717-0747	13	br.S.Sb.	70	67	--	8' scallop dredge
1909	28°06.5'	80°31'	4-18-60	0808-0838	13	br.S.Sb.	75	67	--	8' scallop dredge
1910	28°10'	80°04.5'	4-18-60	0905-0910	14	S.Sb.	75	68	--	8' scallop dredge
1911	28°11.5'	80°36'	4-18-60	0929-0959	15-13	S.Sb.	60	69	--	8' scallop dredge
1912	28°15.5'	80°37'	4-18-60	1051-1101	14	gy.S.Sb.	75	70	--	8' scallop dredge
1913	28°20'	80°38.5'	4-18-60	1128-1158	15	Sh.S.	78	70	--	8' scallop dredge
1914	28°24'	80°39.5'	4-18-60	1225-1255	15	Sh.S.	78	70	--	8' scallop dredge
1915	28°23'	80°37.5'	4-18-60	1330-1400	15	gy.S.Sb.	79	70	--	8' scallop dredge
1916	28°29'	80°32'	4-18-60	1430-1500	15	gy.S.Sb.	80	70	--	8' scallop dredge
1917	28°26'	80°44'	4-18-60	1530-1600	15-14	gy.S.Sb.	81	70	--	8' scallop dredge
1918	28°22.5'	80°50.5'	4-18-60	1630-1700	11-12	gy.S.Sb.	82	70	--	8' scallop dredge
1919	28°19.5'	80°53'	4-18-60	1730-1800	11-9	gy.S.Sb.	76	70	--	8' scallop dredge
1920	28°16'	80°59'	4-18-60	1829-1858	8-8½	gy.S.	80	70	--	8' scallop dredge
1921	28°16'	80°54'	4-18-60	1926-1956	8½-10	gy.S.	75	70	--	8' scallop dredge
1922	28°16'	80°45'	4-18-60	2048-2116	10	S.	70	70	--	8' scallop dredge
1923	28°03.5'	80°50.5'	4-18-60	2200-2230	10-9	S.Sb.	70	70	--	8' scallop dredge
1924	28°06.5'	80°53'	4-18-60	2302-2332	9-10	S.Sb.	70	69	--	8' scallop dredge
1925	28°05'	80°49'	4-18-60	0005-0035	12	S.Sb.	70	69	--	8' scallop dredge
1926	28°57.5'	80°42.5'	4-19-60	0150-0220	12	S.Sb.	68	69	--	8' scallop dredge
1927	28°52'	80°40'	4-19-60	0305-0335	11-12	S.Sb.	68	70	--	8' scallop dredge
1928	28°42'	80°33'	4-19-60	0420-0450	11	S.Sb.	68	69	--	8' scallop dredge
1929	28°43.5'	80°36'	4-19-60	0454-0615	12	S.Sb.	68	69	--	8' scallop dredge
1930	28°41.5'	80°08'	4-19-60	0600-0809	31	Sb.	69	71	--	8' scallop dredge
1931	28°39.5'	80°08.5'	4-19-60	0835-0905	29-27½	Sh.	71	72	--	8' scallop dredge
1932	28°33.5'	80°06.5'	4-19-60	1008-1038	28-29	Sh.	75	75	65.3	8' scallop dredge
1933	28°50.5'	80°08'	4-19-60	1111-1141	28-27½	S.Sb.	65	75	--	8' scallop dredge
1934	28°27'	80°07'	4-19-60	1228-1258	31-30	Sh.S.	78	72	--	8' scallop dredge
1935	28°25'	80°05'	4-19-60	1330-1400	30-30½	Sh.S.	75	73	--	10' scallop dredge
1936	28°21'	80°06.5'	4-19-60	1450-1520	30	Sh.S.	75	73	--	10' scallop dredge
1937	28°17'	80°04'	4-19-60	1605-1635	30	Sh.S.	76	71	--	10' scallop dredge
1938	28°15'	80°05'	4-19-60	1733-1803	30	Sb.	76	73	--	10' scallop dredge
1939	28°11'	80°05'	4-19-60	1920-1950	20½-29	S.Sb.	74	74	--	10' scallop dredge
1940	28°08.5'	80°03.5'	4-19-60	2025-2055	30	Sh.	70	74	--	10' scallop dredge
1941	28°05'	80°02.5'	4-19-60	2127-2157	29	S.	70	74	--	10' scallop dredge
1942	28°02'	80°02.5'	4-19-60	2230-2300	30	Sh.	70	74	--	10' scallop dredge
1943	27°58.5'	80°02'	4-19-60	2330-0000	30	Sb.S.	70	74	--	10' scallop dredge
1944	27°55'	80°05'	4-20-60	0055-0130	25	Sb.S.	72	73	--	10' scallop dredge
1945	28°03'	80°2.5'	4-20-60	0215-0245	25	Sb.S.	71	73	--	10' scallop dredge
1946	28°06.5'	80°10'	4-20-60	0345-0415	20	S.Sb.	70	73	--	10' scallop dredge
1947	28°09.5'	80°10'	4-20-60	0505-0535	20	S.Sb.	68	73	--	10' scallop dredge
1948	28°10.5'	80°10'	4-20-60	0605-0635	20-21	S.Sb.	71	73	--	10' scallop dredge
1949	28°14'	80°09.5'	4-20-60	0709-0739	20	S.Sb.	--	75	--	10' scallop dredge
1950	28°15'	80°13.5'	4-20-60	0812-0842	17	Sb.S.	75	75	--	10' scallop dredge
1951	28°10.5'	80°12'	4-20-60	0912-0942	17	S.Sb.	75	72	--	10' scallop dredge
1952	28°05.5'	80°11.5'	4-20-60	1011-1041	16-16½	S.Sb.	75	71	--	10' scallop dredge
1953	28°02'	80°09.5'	4-20-60	1112-1142	16½-17	S.Sb.	82	71	--	10' scallop dredge
1954	27°58'	80°06.5'	4-20-60	1210-1240	20	S.Sb.	82	71	64.2	10' scallop dredge
1955	28°01.5'	80°08'	4-20-60	1305-1355	20	Sb.S.	81	71	--	10' scallop dredge
1956	28°02.5'	80°08'	4-20-60	1345-1415	20	Sb.S.	82	71	--	10' scallop dredge
1957	27°55'	80°05'	4-20-60	1502-1532	20	Sb.S.	82	71	--	10' scallop dredge
1958	27°51.5'	80°02'	4-20-60	1822-1852	25	S.Sb.	75	71	--	10' scallop dredge
1959	27°49.5'	79°58.5'	4-20-60	2020-2025	50	M.Rk.	75	75	--	10' scallop dredge
1960	27°52'	80°01'	4-20-60	2105-2152	30	S.Sb.	75	71	--	10' scallop dredge
1961	27°47.5'	80°03'	4-20-60	2337-2407	25	S.Sb.	70	72	--	10' scallop dredge
1962	27°44.5'	80°05'	4-20-60	2337-0007	20	S.Sb.	75	72	--	10' scallop dredge
1963	27°28.5'	80°08.5'	4-22-60	1630-1700	10-11	S.	74	76	71.2	8' scallop dredge
1964	27°29'	80°04'	4-22-60	1730-1800	15-20	S.	72	77	--	8' scallop dredge
1965	27°28.5'	80°01.5'	4-22-60	1815-1845	20-41	S.Sb.	75	77	--	8' scallop dredge
1966	27°30'	79°57'	4-22-60	1914-1944	50	--	73	78	--	8' scallop dredge
1967	27°35'	79°55.5'	4-22-60	2030-2100	75-74	--	73	77	--	8' scallop dredge
1968	27°39.5'	79°54'	4-22-60	2155-2255	100	--	70	77	--	8' scallop dredge
1969	28°09.5'	79°59'	4-23-60	0240-0340	70-77	M.	73	77	--	8' scallop dredge
1970	28°25'	80°01'	4-23-60	0435-0535	50	S.Sb.	72	78	--	8' scallop dredge
1971	28°53.5'	80°03'	4-23-60	0610-0640	40	S.Sb.	73	77	--	8' scallop dredge
1972	28°42'	80°08'	4-23-60	0837-0907	30-31	--	80	77	--	8' scallop dredge
1973	28°42'	80°00'	4-23-60	1041-1111	25-21½	S.Sb.	78	71	--	8' scallop dredge
1974	28°42'	80°13'	4-23-60	1126-1158	21½	S.Sb.	78	71	--	8' scallop dredge
1975	28°41'	80°16.5'	4-23-60	1207-1237	20	S.Sb.	78	71	--	8' scallop dredge
1976	28°41.5'	80°19.5'	4-23-60	1245-1315	14	S.Sb.	78	70	--	8' scallop dredge
1977	28°40'	79°58'	4-23-60	1650-1755	100	bu.M.	82	78	--	8' scallop dredge
1978	28°58'	79°58'	4-23-60	1820-1920	100	--	78	78	--	8' scallop dredge
1979	28°58'	79°58'	4-23-60	1950-2050	100	--	78	78	--	8' scallop dredge
1980	28°28'	80°12'	4-24-60	0527-0557	20	S.Sb.	72	69	--	8' scallop dredge
1981	28°26'	80°12.5'	4-24-60	0610-0640	20	S.Sb.	72	69	--	8' scallop dredge
1982	28°23.5'	80°12'	4-24-60	0650-0720	20-21	S.Sb.	72	69	--	8' scallop dredge
1983	28°21.5'	80°10.5'	4-24-60	0735-0805	21-20	S.Sb.	73	69	--	8' scallop dredge
1984	28°22.5'	80°11'	4-24-60	0818-0848	20	S.Sb.	72	69	--	8' scallop dredge
1985	28°24.5'	80°11.5'	4-24-60	0900-0930	30	S.Sb.	72	69	--	8' scallop dredge
1986	28°26.5'	80°14'	4-24-60	0953-1025	16-19	S.Sb.	73	69	--	8' scallop dredge
1987	28°28.5'	80°14.5'	4-24-60	1035-1117	19-18	S.Sb.	73	69	--	8' scallop dredge
1988	28°30.5'	80°11.5'	4-24-60	1150-1220	21	S.Sb.	76	69	--	8' scallop dredge
1989	28°52.5'	80°11.5'	4-24-60	--	21-22	S.Sb.	76	72	--	8' scallop dredge
1990	28°54'	80°11'	4-24-60	1320-1350	22-23	S.Sb.	78	72	--	8' scallop dredge
1991	28°56'	80°11.5'	4-24-60	1403-1433	23-21	S.Sb.	76	72	--	8' scallop dredge
1992	28°57.5'	80°13.5'	4-24-60	1445-1515	20-18	S.Sb.	76	71	--	8' scallop dredge
1993	28°59'	80°16.5'	4-24-60	1528-1558	18-19½	S.Sb.	76	71	--	8' scallop dredge
1994	28°43'	80°13'	4-24-60	1650-1700	20½-23	S.Sb.	74	73	--	8' scallop dredge
1995	28°45'	80°12.5'	4-24-60	1710-1740	23	Sb.S.	75	73	--	8' scallop dredge
1996	28°47.5'	80°12'	4-24-60	1758-1828	25-27	Sb.S.	75	73	--	8' scallop dredge
1997	28°53.5'	80°12.5'	4-25-60	0545-0615	20	S.Sb.	72	71	--	8' scallop dredge
1998	28°29.5'	80°13'	4-25-60	0625-0706	20	S.Sb.	72	69	--	8' scallop dredge
1999	28°27'	80°13'	4-25-60	0718-0751	20	S.Sb.	73	69	--	8' scallop dredge
2000	28°25'	80°11'	4-25-60	0809-0844	20	Sb.S.	74	69	--	8' scallop dredge

Table 4.-M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
2001	28°22.5'	80°10'	4-25-60	0855-0925	21-22	Sh.S.	74	69	--	8' scallop dredge
2002	28°21.5'	80°09.5'	4-25-60	0936-1006	22-23	S.Sb.	72	69	--	8' scallop dredge
2003	28°19'	80°07'	4-25-60	1015-1045	23	Sh.S.	76	69	--	8' scallop dredge
2004	28°17.5'	80°07.5'	4-25-60	1055-1125	23	Sh.S.	76	68	--	8' scallop dredge
2005	28°15'	80°07.5'	4-25-60	1136-1206	23-24	Sh.S.	80	68	--	8' scallop dredge
2006	28°14'	80°06.5'	4-25-60	1216-1246	24	Sh.S.	86	68	--	8' scallop dredge
2007	28°12'	80°05'	4-25-60	1325-1355	25-32	Sh.S.	80	75	--	10' scallop dredge
2008	28°13.5'	80°02.5'	4-25-60	1410-1440	32-40	Sh.S.	80	75	--	10' scallop dredge
2009	28°15'	80°02'	4-25-60	1456-1528	40	S.	74	75	--	10' scallop dredge
2010	28°17.5'	80°01.5'	4-25-60	1548-1625	41-34	Sh.	74	75	--	10' scallop dredge
2011	28°18'	80°03.5'	4-25-60	1640-1722	34-22	Co.S.	78	74	--	10' scallop dredge
2012	28°17.5'	80°07'	4-25-60	1736-1806	22-21 $\frac{1}{2}$	S.Sb.	78	73	--	10' scallop dredge
2013	28°18'	80°09'	4-25-60	1816-1846	21 $\frac{1}{2}$ -20	Sh.S.	77	73	--	10' scallop dredge
2014	28°28'	80°15'	4-26-60	0537-0607	20	S.Sb.	70	71	--	10' scallop dredge
2015	28°26.5'	80°13'	4-26-60	0620-0650	20	Sh.S.	71	71	--	10' scallop dredge
2016	28°28'	80°12'	4-26-60	1214-1245	20	S.Sb.	86	71	--	10' scallop dredge
2017	28°26.5'	80°13'	4-26-60	1257-1327	20	S.Sb.	86	71	--	10' scallop dredge
2018	28°24.5'	80°11'	4-26-60	1600-1640	20	S.Sb.	86	73	--	10' scallop dredge
2019	28°21.5'	80°04.5'	4-26-60	1746-1816	30-41	Sh.	74	76	--	10' scallop dredge
2020	28°22.5'	80°02'	4-26-60	1830-1847	41-45	--	74	74	--	10' scallop dredge
2021	28°26.5'	80°12'	4-27-60	0540-0610	20	S.Sb.	70	73	--	10' scallop dredge
2022	28°24.5'	80°12.5'	4-27-60	0622-0652	20	Sh.S.	76	73	--	10' scallop dredge
2023	28°23'	80°11'	4-27-60	0705-0735	20	Sh.S.	70	73	--	10' scallop dredge
2024	28°26.5'	80°11.5'	4-27-60	0812-0842	20	S.Sb.	70	73	--	10' scallop dredge
2025	28°24'	80°11.5'	4-27-60	0855-0925	20	S.Sb.	70	73	--	10' scallop dredge
2026	28°22'	80°11'	4-27-60	0935-1005	20 $\frac{1}{2}$	S.Sb.	70	72	--	10' scallop dredge
2027	28°19'	80°11.2'	4-27-60	1015-1045	21-20	S.Sb.	72	72	--	10' scallop dredge
2028	28°21.5'	80°10.5'	4-27-60	1055-1128	20	S.Sb.	82	72	--	10' scallop dredge
2029	28°24'	80°11.5'	4-27-60	1140-1225	20 $\frac{1}{2}$ -20	Sh.S.	82	77	--	10' scallop dredge
2030	28°26.5'	80°12'	4-27-60	1235-1305	20 $\frac{1}{2}$	S.Sb.	82	77	--	10' scallop dredge
2031	28°25'	80°13'	4-27-60	1316-1346	20	S.Sb.	82	77	--	10' scallop dredge
2032	28°26.5'	80°12'	4-27-60	1357-1428	20	S.Sb.	83	75	--	10' scallop dredge
2033	28°23'	80°13'	4-27-60	1442-1512	20	S.Sb.	83	74	--	10' scallop dredge
2034	28°25.5'	80°15'	4-27-60	1545-1615	20	S.Sb.	83	75	--	10' scallop dredge
2035	28°23.5'	80°13'	4-27-60	1630-1700	20	S.Sb.	82	74	--	10' scallop dredge
2036	28°23.5'	80°12.5'	4-27-60	1712-1742	20	S.Sb.	78	74	--	10' scallop dredge
2037	28°23'	80°11'	4-27-60	1753-1823	20	S.Sb.	78	74	--	10' scallop dredge
2038	28°22.5'	79°59.5'	4-27-60	2003-2103	64-78	--	75	79	--	10' scallop dredge
2039	28°23.5'	79°59.5'	4-27-60	2145-2213	64-75	--	75	79	--	10' scallop dredge
2040	28°20'	79°48.5'	4-28-60	0022-0122	200	M.	75	78	--	10' scallop dredge
2041	28°15'	80°00'	4-28-60	0357-0428	50	--	75	79	--	10' scallop dredge
2042	28°14.5'	80°00'	4-28-60	0510-0540	40	gy.S.	74	79	--	10' scallop dredge
2043	27°56.5'	80°10'	4-28-60	0829-0859	15	S.Sb.	73	73	--	10' scallop dredge
2044	27°36'	80°06'	4-29-60	1617-1647	15	S.Sb.	73	76	--	10' scallop dredge
2045	27°38'	80°06'	4-29-60	1703-1717	15	Co.S.Sh.	73	76	--	10' scallop dredge
2046	27°38'	80°06'	4-29-60	1745-1803	15	Co.S.Sh.	74	76	--	10' scallop dredge
2047	27°48.5'	80°09'	4-29-60	1945-2017	15	S.Sb.	74	73	--	10' scallop dredge
2048	27°50'	80°09'	4-29-60	2032-2102	15-14 $\frac{1}{2}$	S.Sb.	74	73	--	10' scallop dredge
2049	27°51.5'	80°09.5'	4-29-60	2235-2305	14 $\frac{1}{2}$ -15	--	72	73	--	10' scallop dredge
2050	27°53'	80°10'	4-30-60	0003-0033	14-15	S.Sb.	72	73	--	10' scallop dredge
2051	27°54'	80°08'	4-30-60	0045-0115	15-14	S.Sb.	72	73	--	10' scallop dredge
2052	27°56'	80°09.5'	4-30-60	0125-0155	14	S.Sb.	72	73	70	10' scallop dredge
2053	29°06.5'	80°26'	4-30-60	1044-1114	15	S.Sb.	74	71	--	10' scallop dredge
2054	29°09.5'	80°25'	4-30-60	1142-1212	15	S.Sb.	74	71	--	10' scallop dredge
2055	29°14'	80°26.5'	4-30-60	1245-1315	15	S.Sb.	74	71	--	10' scallop dredge
2056	29°16.5'	80°29'	4-30-60	1340-1410	15	S.Sb.	74	71	--	10' scallop dredge
2057	29°21'	80°31.5'	4-30-60	1437-1507	15	S.Sb.	74	71	68	10' scallop dredge
2058	29°26'	80°30.5'	4-30-60	1550-1620	13-12	S.Sb.	74	71	--	10' scallop dredge
2059	29°31.5'	80°34.5'	4-30-60	1702-1732	13-14	S.Sb.	75	71	--	10' scallop dredge
2060	29°36'	80°33'	4-30-60	1816-1846	16	S.Sb.	75	70	--	10' scallop dredge
2061	29°36.5'	80°23'	4-30-60	1942-2012	22	--	75	76	--	10' scallop dredge
2062	29°38'	80°10.5'	4-30-5-1-60	2230-0130	200	M.	74	75	--	41/47' 2-seam shrimp trawl
2063	29°32.5'	80°10'	5-1-60	0220-0520	200	M.	73	74	--	41/47' balloon shrimp trawl
2064	29°27.5'	80°08'	5-1-60	0630-0930	200-202	--	74	77	--	40' flat trawl
2065	29°23.5'	80°05.5'	5-1-60	1055-1355	208	M.	77	77	--	40' flat trawl
2066	29°22'	80°06'	5-1-60	1525-1825	200	M.	77	79	--	41/47' balloon shrimp trawl
2067	29°22'	80°06'	5-1-60	2020-2320	200	M.	73	79	--	41/47' 2-seam shrimp trawl
2068	29°16.5'	80°04'	5-2-60	1207-1307	210	M.	73	79	--	41/47' 2-seam shrimp trawl
2069	29°09.5'	80°01.5'	5-2-60	0350-0650	200	M.	--	80	--	41/47' 2-seam shrimp trawl
2070	29°13'	79°59.5'	5-2-60	0845-1145	205	M.	72	80	--	41/47' 2-seam shrimp trawl
2071	29°53'	80°12.5'	5-2-60	1628-1928	180	M.	81	80	--	41/47' 2-seam shrimp trawl
2072	29°50'	80°06.5'	5-2-60	2020-2320	200	M.	75	81	--	41/47' 2-seam shrimp trawl
2073	29°47.5'	80°08'	5-3-60	0045-0345	200	M.	75	81	--	41/47' 2-seam shrimp trawl
2074	29°43'	80°07.5'	5-3-60	0555-0855	200-202	M.	73	80	--	41/47' 2-seam shrimp trawl
2075	29°35.5'	80°10'	5-3-60	0855-1155	180	M.	75	79	--	41/47' 2-seam shrimp trawl
2076	29°27'	80°08.5'	5-3-60	1240-1540	200-180	M.	76	79	--	41/47' 2-seam shrimp trawl
2077	29°49'	80°23.5'	5-4-60	0645-0745	24	S.Sb.Co.	77	73	--	52/72' 2-seam fish trawl
2078	29°44.5'	80°25.5'	5-4-60	0811-0956	24-22	S.Sb.	77	72	--	52/72' 2-seam fish trawl
2079	29°43.5'	80°25.5'	5-4-60	1025-1200	22-20	S.V.S.Sb.	73	72	--	52/72' 2-seam fish trawl
2080	29°46.5'	80°26.5'	5-4-60	1230-1400	20	S.V.S.Sb.	73	72	--	52/72' 2-seam fish trawl
2081	29°48.5'	80°27.5'	5-4-60	1522-1652	20-19	S.V.S.Sb.	73	72	--	52/72' 2-seam fish trawl
2082	29°49'	80°31.5'	5-4-60	1715-1845	19-20	S.V.S.Sb.	69	72	--	52/72' 2-seam fish trawl
2083	29°58.5'	80°32.5'	5-5-60	0610-0745	22-21	S.Sb.	70	71	68.9	52/72' 2-seam fish trawl
2084	29°53.5'	80°34'	5-5-60	0816-0946	22-21	S.Sb.	70	65	--	52/72' 2-seam fish trawl
2085	29°54'	80°47.5'	5-5-60	1150-1250	18	S.Sb.	72	69	--	52/72' 2-seam fish trawl
2086	29°56.5'	80°52'	5-5-60	1332-1432	14-15	S.Sb.	72	66	--	52/72' 2-seam fish trawl
2087	29°58'	80°51.5'	5-5-60	1543-1643	14	S.Sb.	72	66	--	52/72' 2-seam fish trawl
2088	28°27'	80°11.5'	5-27-60	0947-1007	21-20 $\frac{1}{2}$	S.Sb.	75	79	--	10' scallop dredge
2089	28°25.5'	80°12'	5-27-60	1022-1042	20 $\frac{1}{2}$ -21	S.Sb.	75	79	--	10' scallop dredge
2090	28°26.5'	80°13'	5-27-60	1116-1146	19	S.Sb.	75	79	--	10' scallop dredge
2091	28°20'	80°12'	5-27-60	1235-1305	20-21	S.Sb.	73	79	--	10' scallop dredge
2092	28°11.5'	80°09.5'	5-27-60	1425-1455	21	S.Sb.	73	79	--	10' scallop dredge
2093	28°09'	80°13.5'	5-27-60	1540-1555	18-14	S.Sb.	73	78	--	10' scallop dredge
2094	27°30.5'	80°03.5'	5-28-60	0629-0644	18-21	S.Sb.	74	77	--	8' scallop dredge
2095	27°23'	80°03.5'	5-28-60	0711-0726	16-16 $\frac{1}{2}$	S.Sb.	74	77	--	8' scallop dredge
2096	27°34.3'	80°05'	5-28-60	0751-0806	18 $\frac{1}{2}$	S.Sb.	74	77	--	8' scallop dredge
2097	27°35.5'	80°06'	5-28-60	0817-0835	15 $\frac{1}{2}$ -12 $\frac{1}{2}$	S.Sb.	74	77	--	8' scallop dredge
2098	27°51.5'	80°09'	5-28-60	1054-1110	16-14	S.Sb.	85	79	--	8' scallop dredge
2099	27°53'	80°09.5'	5-28-60	1122-1137	14 $\frac{1}{2}$ -18	S.Sb.	85	79	--	8' scallop dredge
2100	27°53.5'	80°08.7'	5-28-60	1149-1204	18-17	S.Sb.	85	79	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
2101	27°52'	80°08.2'	5-28-60	1216-1231	17-15	S.Sb.	85	79	--	8' scallop dredge
2102	27°53'	80°09.2'	5-28-60	1242-1312	15-15	S.Sb.	85	79	--	8' scallop dredge
2103	27°54.5'	80°09.5'	5-28-60	1323-1338	15-14	S.Sb.	85	79	--	8' scallop dredge
2104	27°53.5'	80°10.5'	5-28-60	1348-1418	14-17	S.Sb.	86	80	--	8' scallop dredge
2105	27°53.5'	80°08.7'	5-28-60	1454-1524	17-13	S.Sb.	85	80	--	8' scallop dredge
2106	27°51.5'	80°10'	5-28-60	1533-1603	13-17	S.Sb.	85	80	--	8' scallop dredge
2107	27°53'	80°09.5'	5-30-60	1103-1155	14-17	S.Sb.	83	78	--	2 8' scallop dredges
2108	27°53'	80°09.5'	5-30-60	1219-1259	14-17	S.Sb.	83	78	--	2 8' scallop dredges
2109	27°53'	80°09.5'	5-30-60	1315-1404	14-17	S.Sb.	85	78	--	8' scallop dredge
2110	27°53'	80°09.5'	5-31-60	1033-1103	14-17	S.Sb.	84	77	--	8' scallop dredge
2111	27°53'	80°09.5'	5-31-60	1155-1225	14-17	S.Sb.	85	77	--	8' scallop dredge
2112	27°53'	80°09.5'	6-1-60	1035-1105	14-17	S.Sb.	84	78	--	8' scallop dredge
2113	27°53.5'	80°08.7'	6-1-60	1115-1145	17-14	S.Sb.	84	78	--	8' scallop dredge
2114	27°53'	80°09.5'	6-2-60	1025-1055	15-17	S.Sb.	83	78	--	8' scallop dredge
2115	27°53.5'	80°08.7'	6-2-60	1105-1136	17-15	S.Sb.	83	79	--	8' scallop dredge
2116	27°53'	80°09.5'	6-3-60	1025-1055	15-17	S.Sb.	--	78	--	8' scallop dredge
2117	27°53.5'	80°08.7'	6-3-60	1106-1136	17-15	S.Sb.	84	78	69.8	8' scallop dredge
2118	27°53'	80°09.5'	6-3-60	1146-1220	15-17	S.Sb.	84	78	--	8' scallop dredge
2119	27°53'	80°09.5'	6-4-60	1023-1055	15-17	S.Sb.	92	77	--	8' scallop dredge
2120	27°52'	80°08.5'	6-4-60	1115-1150	17-16	S.Sb.	92	78	70.7	8' scallop dredge
2121	27°53'	80°09.5'	6-5-60	1023-1055	15-17	S.Sb.	85	76	--	8' scallop dredge
2122	27°52'	80°08.5'	6-5-60	1103-1133	17-15	S.Sb.	85	76	--	8' scallop dredge
2123	27°53'	80°09.5'	6-5-60	1143-1215	15-17	S.Sb.	85	77	--	8' scallop dredge
2124	27°53'	80°09.5'	6-6-60	1610-1635	15-17	S.Sb.	--	78	--	8' scallop dredge
2125	27°52'	80°08.5'	6-6-60	1655-1715	17	S.Sb.	--	78	--	8' scallop dredge
2126	27°52.5'	80°09'	6-7-60	0605-0635	16-17	S.Sb.	74	74	--	8' scallop dredge
2127	27°52.5'	80°09'	6-7-60	0829-0859	17	S.Sb.	74	76	--	8' scallop dredge
2128	27°52.5'	80°09'	6-7-60	1318-1338	17	S.Sb.	90	79	--	8' scallop dredge
2129	27°52.5'	80°09'	6-7-60	1350-1410	17	S.Sb.	90	79	--	8' scallop dredge
2130	27°52.5'	80°09'	6-8-60	0616-0631	17-18	S.Sb.	76	75	--	8' scallop dredge
2131	27°53.5'	80°09'	6-8-60	1215-1230	18	S.Sb.	88	80	--	8' scallop dredge
2132	30°21'	80°36'	6-11-60	2200-2350	20	--	71	75	--	Night light station
2133	30°22'	80°32'	6-12-60	0520-0620	19	gy.S.Sb.	71	73	--	54/74' 2-seam fish trawl
2134	30°14.5'	80°35'	6-12-60	0737-0838	19	S.Sb.	75	74	--	54/74' 2-seam fish trawl
2135	30°10'	80°33'	6-12-60	0939-1039	20	S.Sb.	75	78	--	54/74' 2-seam fish trawl
2136	30°03'	80°35'	6-12-60	1230-1330	20	S.Sb.	75	79	73.4	54/74' 2-seam fish trawl
2137	29°55'	80°34.5'	6-12-60	1505-1605	19	S.Sb.	75	77	--	54/74' 2-seam fish trawl
2138	29°55'	80°34.5'	6-12-60	1628-1758	19	S.Sb.	75	78	--	54/74' 2-seam fish trawl
2139	29°55'	80°38'	6-12-60	2045-2245	18	S.Sb.	--	78	--	Night light station
2140	29°55'	80°34.5'	6-13-60	0530-0630	19	S.Sb.	72	78	--	54/74' 2-seam fish trawl
2141	29°53'	80°34.5'	6-15-60	0650-0750	19	S.Sb.	72	76	--	54/74' 2-seam fish trawl
2142	29°55'	80°34.5'	6-13-60	0928-0928	19	gy.S.Sb.	72	76	--	54/74' 2-seam fish trawl
2143	29°50.5'	80°27.5'	6-13-60	1045-1215	20	gy.S.Sb.	81	80	--	54/74' 2-seam fish trawl
2144	29°52.5'	80°26.5'	6-13-60	1252-1352	20	S.Sb.	81	80	--	54/74' 2-seam fish trawl
2145	29°45.5'	80°16'	6-13-60	1625-1725	35	gy.S.Sb.	78	83	--	54/74' 2-seam fish trawl
2146	29°47'	80°28'	6-13-60	2030-2145	20	gy.S.Sb.	75	83	--	Night light station
2147	31°51.5'	79°23'	7-14-60	0703-0803	54-50	M.	80	85	--	54/74' 2-seam fish trawl
2148	31°57.5'	79°22'	7-14-60	0831-1031	42-40	gy.S.	80	85	--	54/74' 2-seam fish trawl
2149	32°09.5'	79°14'	7-14-60	1205-1305	30	gy.S.	92	85	72.3	54/74' 2-seam fish trawl
2150	32°24.5'	79°14'	7-14-60	1530-1630	20	gy.S.	92	82	74.3	54/74' 2-seam fish trawl
2151	32°41.5'	79°19.5'	7-15-60	0537-0737	10	gy.S.	64	61	75.7	54/74' 2-seam fish trawl
2152	32°49.5'	78°43'	7-15-60	0828-0928	17-19	S.	77	82	74.3	54/74' 2-seam fish trawl
2153	32°43.5'	78°16.5'	7-15-60	1017-1024	30	--	77	81	--	54/74' 2-seam fish trawl
2154	32°54.5'	78°07.5'	7-15-60	1330-1430	50	--	77	81	--	60/80' 2-seam fish trawl
2155	32°59.5'	78°02.5'	7-15-60	1612-1712	30	--	--	81	68	60/80' 2-seam fish trawl
2156	33°08.5'	77°57'	7-15-60	1842-1942	20	--	81	81	72.6	60/80' 2-seam fish trawl
2157	33°16'	77°58.5'	7-16-60	0620-0720	20	S.Sb.	76	81	--	60/80' 2-seam fish trawl
2158	33°15'	77°21'	7-16-60	0950-1050	30	S.	76	81	66.5	60/80' 2-seam fish trawl
2159	33°20'	77°13'	7-16-60	1217-1317	40	S.Sb.	78	82	--	60/80' 2-seam fish trawl
2160	33°29.5'	77°13'	7-16-60	1445-1545	22	S.Sb.	78	82	71	60/80' 2-seam fish trawl
2161	33°35'	77°07'	7-16-60	1720-1845	22	S.Sb.	78	83	75.7	60/80' 2-seam fish trawl
2162	34°07'	77°22'	7-17-60	0546-0706	13	Co.S.	77	80	--	60/80' 2-seam fish trawl
2163	34°22'	77°09'	7-17-60	1006-1121	11	S.	77	80	77	60/80' 2-seam fish trawl
2164	34°31.5'	76°57'	7-17-60	1320-1435	9	S.	75	79	80.1	60/80' 2-seam fish trawl
2165	34°39.5'	76°56'	7-17-60	1530-1630	7-6	S.	75	79	80.1	60/80' 2-seam fish trawl
2166	34°37'	76°40.5'	7-17-60	1825-1925	7-9	S.Sb.	84	80	77.9	60/80' 2-seam fish trawl
2167	34°22.5'	76°25'	7-18-60	0718-0818	12	S.	75	78	--	60/80' 2-seam fish trawl
2168	34°22'	76°12'	7-18-60	0955-1095	20	--	75	78	--	60/80' 2-seam fish trawl
2169	34°24'	76°02'	7-18-60	1225-1325	30	S.Sb.	81	79	69.8	60/80' 2-seam fish trawl
2170	34°31.5'	75°49'	7-18-60	1520-1600	52-42	--	77	82	--	60/80' 2-seam fish trawl
2171	34°46'	75°38.5'	7-18-60	1827-1927	28	S.	77	82	67.6	60/80' 2-seam fish trawl
2172	35°00'	75°19'	7-18/19-60	2200-0250	80-200	--	--	81	--	Night light station
2173	34°53'	75°17'	7-19-60	0500-0615	100	M.S.	76	80	--	60/80' 2-seam fish trawl
2174	35°03'	75°27'	7-19-60	0803-0903	24-30	S.	86	81	--	60/80' 2-seam fish trawl
2175	34°56'	75°24.5'	7-19-60	1034-1200	52-51	S.	88	81	--	60/80' 2-seam fish trawl
2176	34°55'	75°37'	7-19-60	1355-1435	22-21	--	86	82	76.4	60/80' 2-seam fish trawl
2177	34°56'	75°50'	7-19-60	1618-1718	15	S.Sb.	--	82	76.4	60/80' 2-seam fish trawl
2178	34°58'	75°57'	7-19-60	1838-1930	14	S.Sb.	82	82	74.4	60/80' 2-seam fish trawl
2179	34°49'	76°02'	7-19-60	2100-2200	15	--	78	80	--	Night light station
2180	34°57'	76°07.5'	7-20-60	0538-0638	8	S.	74	78	--	60/80' 2-seam fish trawl
2181	34°47.5'	76°14'	7-20-60	0805-0905	10	S.	78	79	75.3	60/80' 2-seam fish trawl
2182	34°42.5'	76°09'	7-20-60	1030-1115	11	S.Sb.	85	79	70.8	60/80' 2-seam fish trawl
2183	34°37.5'	76°06.5'	7-20-60	1225-1325	19-18	S.Sb.	85	80	71.2	60/80' 2-seam fish trawl
2184	34°43'	76°22'	7-20-60	1545-1645	9	S.Sb.	80	80	75.5	60/80' 2-seam fish trawl
2185	34°34.5'	76°28'	7-20-60	1810-1930	8	S.	79	79	77.3	60/80' 2-seam fish trawl
2186	34°29'	76°20'	7-20-60	2045-0200	15	--	78	79	--	Night light station
2187	34°31.5'	76°24'	7-21-60	0528-0628	9	S.Sb.	77	79	--	60/80' 2-seam fish trawl
2188	34°14'	76°18.5'	7-21-60	0900-1000	17	S.Sb.	77	80	74.4	60/80' 2-seam fish trawl
2189	34°07.5'	76°15'	7-21-60	1124-1224	23-22	S.Sb.	85	82	73.5	60/80' 2-seam fish trawl
2190	34°07'	76°06'	7-21-60	1432-1622	100	--	79	83	--	60/80' 2-seam fish trawl
2191	34°35'	76°64'	7-22-60	0510-0617	9	S.Sb.	76	81	--	60/80' 2-seam fish trawl
2192	34°40.5'	76°50'	7-22-60	0726-0826	6-6	S.	78	81	80	60/80' 2-seam fish trawl
2193	34°40'	76°46'	7-22-60	0900-1000	6-6	S.	76	81	79.8	60/80' 2-seam fish trawl
2194	34°37.5'	76°08.5'	7-23-60	1650-1720	19	S.Sb.	86	82	--	8' scallop dredge
2195	34°40'	76°01.5'	7-23-60	1752-1822	19	S.Sb.	85	82	72.5	8' scallop dredge
2196	34°43'	75°59'	7-23-60	1830-1900	19	S.Sb.	80	82	--	8' scallop dredge
2197	34°39.5'	76°02.5'	7-23-60	1925-1955	19	S.Sb.	80	82	--	8' scallop dredge
2198	34°34'	75°55'	7-23-60	2128-2143	25	S.Sb.	80	83	--	8' scallop dredge
2199	34°34.5'	75°49.5'	7-23-60	2220-2235	30	S.Sb.	80	84	--	8' scallop dredge
2200	34°33.5'	75°47'	7-23-60	2314-2344	51-55	--	80	84	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2201	34° 34.5'	75° 40'	7-24-60	0030-0400	60-90	--	79	84	--	Dip station
2202	34° 45'	75° 43'	7-24-60	0559-0629	20	S.Sb.	77	84	--	8' scallop dredge
2203	34° 43'	75° 52.5'	7-24-60	0656-0720	20	S.Sb.	78	83	--	8' scallop dredge
2204	34° 41'	75° 56'	7-24-60	0745-0815	20	S.Sb.	79	81	--	8' scallop dredge
2205	34° 38.5'	75° 59'	7-24-60	0841-0911	20	S.Sb.	78	81	--	8' scallop dredge
2206	34° 36.5'	76° 03.5'	7-24-60	0936-1006	20	S.Sb.	78	81	72.6	8' scallop dredge
2207	34° 33'	76° 14'	7-24-60	1114-1144	18	S.Sb.	78	82	71.2	8' scallop dredge
2208	34° 35.7'	76° 11.5'	7-24-60	1216-1246	18	S.Sb.	88	83	--	8' scallop dredge
2209	34° 39.5'	75° 58'	7-24-60	1415-1500	20	S.Sb.	88	82	72.7	8' scallop dredge
2210	34° 44'	75° 57'	7-24-60	1626-1656	18-17	S.Sb.	88	85	--	8' scallop dredge
2211	34° 46'	76° 06.5'	7-24-60	2037-2110	15	S.Sb.	84	82	--	8' scallop dredge
2212	34° 52.5'	76° 00'	7-24-60	2157-2227	12-14	S.Sb.	82	82	72.8	8' scallop dredge
2213	35° 00.5'	75° 59.5'	7-24-60	2335-2435	9	S.	78	81	--	42' 62' 2-seam shrimp trawl
2214	34° 53'	76° 10'	7-25-60	0150-0250	8-9	S.Sb.	78	81	--	42' 62' 2-seam shrimp trawl
2215	34° 45'	76° 20'	7-25-60	0410-0510	8-6 $\frac{1}{2}$	S.Sb.	77	81	--	42' 62' 2-seam shrimp trawl
2216	34° 36.5'	76° 27'	7-25-60	0624-0724	8	S.Sb.	80	81	--	42' 62' 2-seam shrimp trawl
2217	34° 30.5'	76° 24.5'	7-25-60	0806-0906	9-10	S.Sb.	77	80	--	42' 62' 2-seam shrimp trawl
2218	34° 38.5'	71° 05'	7-25-60	1355-1425	5-4 $\frac{1}{2}$	S.	85	83	--	14-tooth clam dredge
2219	34° 37'	71° 06.5'	7-25-60	1435-1505	5	S.	85	83	--	14-tooth clam dredge
2220	34° 36.5'	77° 07.5'	7-25-60	1512-1542	5	S.Sb.	84	83	--	14-tooth clam dredge
2221	34° 37'	77° 07'	7-25-60	1550-1620	6 $\frac{1}{2}$ -6	S.Sb.	88	83	--	14-tooth clam dredge
2222	34° 25'	77° 22'	7-25-60	1838-1938	7-6 $\frac{1}{2}$	S.Sb.	85	84	80.4	41' 61' 2-seam shrimp trawl
2223	34° 20'	77° 34.5'	7-25-60	2055-2155	7	S.Sb.	85	83	--	41' 61' 2-seam shrimp trawl
2224	34° 12'	77° 43.5'	7-25-60	2312-0028	6 $\frac{1}{2}$	S.Sb.	81	83	--	41' 61' 2-seam shrimp trawl
2225	34° 00'	77° 50'	7-25-60	0148-0248	6-7	S.	80	83	--	41' 61' 2-seam shrimp trawl
2226	33° 45'	77° 50'	7-26-60	0420-0520	6 $\frac{1}{2}$	S.	81	83	--	41' 61' 2-seam shrimp trawl
2227	33° 43.5'	77° 51'	7-26-60	0556-0626	5 $\frac{1}{2}$	S.Sb.	80	83	--	14-tooth clam dredge
2228	33° 43'	77° 50'	7-26-60	0640-0656	5	S.Sb.	80	82	--	14-tooth clam dredge
2229	33° 47.5'	76° 02'	7-26-60	1120-1135	6 $\frac{1}{2}$	--	88	84	--	14-tooth clam dredge
2230	33° 49'	76° 02.5'	7-26-60	1145-1215	6	M.	86	84	--	14-tooth clam dredge
2231	33° 49'	76° 02'	7-26-60	1237-1307	6 $\frac{1}{2}$ -7 $\frac{1}{2}$	M.	86	84	--	14-tooth clam dredge
2232	33° 46'	76° 06'	7-26-60	1315-1345	7 $\frac{1}{2}$ -6 $\frac{1}{2}$	M.S.	86	84	--	14-tooth clam dredge
2233	33° 45.5'	76° 02.5'	7-26-60	1355-1425	6 $\frac{1}{2}$	S.M.	86	84	--	14-tooth clam dredge
2234	33° 45.2'	76° 00.5'	7-26-60	1435-1505	6-4 $\frac{1}{2}$	M.S.	86	84	--	14-tooth clam dredge
2235	33° 46.8'	77° 59.8'	7-26-60	1514-1544	4 $\frac{1}{2}$	M.	86	84	72.9	14-tooth clam dredge
2236	33° 47.5'	76° 02'	7-26-60	1600-1630	4 $\frac{1}{2}$ -5	--	86	84	--	14-tooth clam dredge
2237	33° 51'	76° 03.5'	7-26-60	1652-1722	5-4 $\frac{1}{2}$	--	86	85	--	14-tooth clam dredge
2238	33° 52'	76° 05.5'	7-26-60	1736-1806	4 $\frac{1}{2}$ -4	M.	81	85	--	14-tooth clam dredge
2239	33° 51'	76° 08.5'	7-26-60	1845-1945	6-5 $\frac{1}{2}$	S.	81	85	--	41' 61' 2-seam shrimp trawl
2240	33° 51'	76° 21'	7-26-60	2055-2155	6-5	S.	81	84	--	41' 47' 2-seam shrimp trawl
2241	33° 46.5'	76° 34'	7-26-60	2311-0012	5	S.	81	84	--	41' 47' 2-seam shrimp trawl
2242	33° 39'	76° 45'	7-27-60	0130-0230	6-5	S.	80	84	--	41' 47' 2-seam shrimp trawl
2243	33° 31'	76° 53'	7-27-60	0350-0450	6	S.Sb.	81	84	--	41' 47' 2-seam shrimp trawl
2244	33° 17'	79° 05'	7-27-60	0655-0725	6-4	--	--	86	--	14-tooth clam dredge
2245	33° 16.5'	79° 06'	7-27-60	0736-0807	4	--	80	84	--	14-tooth clam dredge
2246	33° 13.5'	79° 07'	7-27-60	0818-0848	4	M.S.	80	84	--	14-tooth clam dredge
2247	33° 12'	79° 07.5'	7-27-60	0900-0932	4-5	S.M.	80	84	--	14-tooth clam dredge
2248	33° 15'	79° 08'	7-27-60	0948-1018	5	M.	80	84	73.9	14-tooth clam dredge
2249	33° 11.5'	79° 07'	7-27-60	1111-1141	4-5	M.	84	85	--	14-tooth clam dredge
2250	33° 09.5'	79° 08.5'	7-27-60	1150-1220	--	M.	84	85	--	14-tooth clam dredge
2251	33° 08'	79° 09'	7-27-60	1229-1300	4 $\frac{1}{2}$ -5	M.S.	84	85	--	14-tooth clam dredge
2252	33° 01.5'	79° 13'	7-27-60	1357-1427	5-6	S.	83	85	--	14-tooth clam dredge
2253	32° 56.5'	79° 15.5'	7-27-60	1515-1550	5	S.Sb.	87	85	--	14-tooth clam dredge
2254	32° 54.5'	79° 27'	7-27-60	1630-1700	4 $\frac{1}{2}$	--	87	86	--	14-tooth clam dredge
2255	32° 47'	79° 09.5'	7-27-60	1920-2020	11	S.Sb.	84	86	--	41' 47' 2-seam shrimp trawl
2256	32° 54'	78° 57.5'	7-27-60	2137-2237	14	S.Sb.	84	85	--	41' 47' 2-seam shrimp trawl
2257	32° 02.5'	78° 42'	7-28-60	0000-0100	12 $\frac{1}{2}$ -12	S.Sb.	80	84	--	41' 47' 2-seam shrimp trawl
2258	33° 11'	78° 37'	7-28-60	0215-0315	11	S.Sb.	80	84	--	41' 47' 2-seam shrimp trawl
2259	33° 21'	78° 31.5'	7-28-60	0430-0530	11	S.Sb.	80	83	--	41' 47' 2-seam shrimp trawl
2260	33° 29'	78° 22'	7-28-60	0650-0750	12	S.Sb.	78	83	--	41' 47' 2-seam shrimp trawl
2261	33° 20'	78° 13.5'	7-28-60	1002-1102	15	S.Sb.	80	83	--	41' 47' 2-seam shrimp trawl
2262	33° 14.5'	78° 05.5'	7-28-60	1215-1315	17	S.Sb.	82	84	--	41' 47' 2-seam shrimp trawl
2263	33° 04'	78° 12'	7-28-60	1450-1550	16	S.Sb.	82	85	--	41' 47' 2-seam shrimp trawl
2264	32° 55.5'	78° 28'	7-28-60	1655-1755	20	S.Sb.	83	85	--	41' 47' 2-seam shrimp trawl
2265	32° 48.5'	78° 38'	7-28-60	1917-2017	18-17	S.Sb.	83	84	--	41' 47' 2-seam shrimp trawl
2266	32° 39'	78° 32.5'	7-28-60	2212-2242	50-52	Rk.	83	84	--	14-tooth clam dredge
2267	32° 35.2'	78° 29'	7-29-60	0025-0055	103	S.Co.	77	84	--	14-tooth clam dredge
2268	32° 36'	78° 30'	7-29-60	--	104-108	--	--	84	--	Night light statica
2269	28° 25'	80° 14'	8-3-60	1035-1105	17	S.Sb.	82	--	--	8' scallop dredge
2270	28° 24'	80° 12'	8-3-60	1120-1150	21	S.Sb.	84	--	--	8' scallop dredge
2271	28° 09'	80° 10'	8-3-60	1350-1345	19	S.Sb.	84	--	--	8' scallop dredge
2272	27° 54'	80° 09'	8-3-60	1605-1620	17	S.Sb.	83	--	--	8' scallop dredge
2273	27° 54'	80° 09'	8-3-60	1645-1706	17-20	S.Sb.	82	--	--	8' scallop dredge
2274	27° 54'	80° 09'	8-3-60	1715-1730	16-17	S.Sb.	82	--	--	8' scallop dredge
2275	27° 54'	80° 09'	8-3-60	1805-1820	16	S.Sb.	80	--	--	8' scallop dredge
2276	27° 54'	80° 09'	8-3-60	1835-1905	16	S.Sb.	80	--	--	8' scallop dredge
2277	27° 54'	80° 09'	8-3-60	1930-1955	16	S.Sb.	80	--	--	8' scallop dredge
2278	29° 55'	87° 33'	8-7-60	1255-1310	16	S.Sb.	86	--	--	8' scallop dredge
2279	29° 55'	87° 33'	8-7-60	1320-1330	16	S.Sb.	86	--	--	8' scallop dredge
2280	29° 30.5'	80° 34.5'	10-11-60	0435-0505	15	S.Sb.	77	81	--	8' scallop dredge
2281	29° 26'	80° 29'	10-11-60	0550-0620	15	S.Sb.	77	81	--	8' scallop dredge
2282	29° 17.5'	80° 31'	10-11-60	0718-0747	15	S.Sb.	76	81	--	8' scallop dredge
2283	29° 10.5'	80° 29'	10-11-60	0828-0857	15	S.Sb.	76	81	--	8' scallop dredge
2284	29° 07'	80° 27.5'	10-11-60	0922-0956	15	S.Sb.	100	81	--	8' scallop dredge
2285	29° 04'	80° 26.5'	10-11-60	1007-1045	15	S.Sb.	100	81	--	8' scallop dredge
2286	29° 06.5'	80° 24'	10-11-60	1057-1130	15	S.Sb.	81	81	--	8' scallop dredge
2287	29° 07.5'	80° 24.5'	10-11-60	1215-1245	17	S.Sb.	81	81	--	8' scallop dredge
2288	29° 11'	80° 28'	10-11-60	1320-1350	13-12	S.Sb.	81	81	--	8' scallop dredge
2289	29° 11'	80° 31'	10-11-60	1400-1430	12-13	S.Sb.	81	81	--	8' scallop dredge
2290	29° 10.3'	80° 31'	10-11-60	1502-1536	13	S.Sb.	81	81	--	8' scallop dredge
2291	29° 07.5'	80° 30'	10-11-60	1605-1635	13	S.	84	81	--	8' scallop dredge
2292	29° 12'	80° 21.5'	10-11-60	1750-1820	17	S.	84	81	--	8' scallop dredge
2293	29° 14'	80° 17'	10-11-60	1900-1950	22	--	85	81	--	8' scallop dredge
2294	29° 06.5'	80° 18'	10-11-60	2016-2046	21	S.	78	81	--	8' scallop dredge
2295	29° 00'	80° 18.5'	10-11-60	2134-2204	21	S.	78	81	--	8' scallop dredge
2296	28° 57.5'	80° 16.5'	10-11-60	2219-2249	21	--	78	81	--	8' scallop dredge
2297	28° 55.5'	80° 16'	10-11-60	2346-0016	23	S.Sb.	76	81	--	8' scallop dredge
2298	28° 55.5'	80° 13'	10-12-60	0037-0107	23-22	S.Sb.	79	81	--	8' scallop dredge
2299	28° 55'	80° 13.5'	10-12-60	0071-0148	22-19	S.Sb.	79	84	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	
2301	28°52.5'	80°17'	10-12-60	0215-0245	19	S.Sb.	79	84	--	8' scallop dredge
2302	28°55'	80°16'	10-12-60	0257-0328	19	S.Sb.	79	84	--	8' scallop dredge
2303	28°47'	80°14'	10-12-60	0425-0455	23-24	S.Sb.	75	84	--	8' scallop dredge
2304	28°41'	80°10.5'	10-12-60	0530-0600	23	S.Sb.	73	84	--	8' scallop dredge
2305	28°35.5'	80°10.5'	10-12-60	0630-0700	22	S.Sb.	73	84	--	8' scallop dredge
2306	28°24'	80°10'	10-12-60	0953-1030	22-21	Sb.	80	84	--	8' scallop dredge
2307	28°25'	80°09.5'	10-12-60	1040-1110	21-20	S.Sb.	82	84	--	8' scallop dredge
2308	28°29.5'	80°11.5'	10-12-60	1122-1152	20	S.Sb.	82	84	--	8' scallop dredge
2309	28°26'	80°11'	10-12-60	1205-1235	20	S.Sb.G.	85	84	--	8' scallop dredge
2310	28°28.5'	80°11'	10-12-60	1300-1350	20-21	S.Sb.G.	86	84	--	8' scallop dredge
2311	28°33.5'	80°13.5'	10-12-60	1425-1455	20-19	S.Sb.	88	84	--	10' scallop dredge
2312	28°34.5'	80°14'	10-12-60	1517-1547	17-18	S.Sb.	88	84	--	10' scallop dredge
2313	28°31'	80°15.5'	10-12-60	1602-1632	18	S.Sb.	85	84	--	10' scallop dredge
2314	28°22.5'	80°10.3'	10-12-60	1735-1805	21	S.Sb.	79	84	--	10' scallop dredge
2315	28°11.5'	80°09'	10-12-60	1917-1947	20-18	S.Sb.	79	84	--	10' scallop dredge
2316	28°09'	80°10'	10-12-60	1958-2017	18	S.Sb.	79	84	--	10' scallop dredge
2317	27°56'	80°10.5'	10-12-60	2215-2245	15	S.Sb.	79	84	--	10' scallop dredge
2318	27°55.5'	80°09.5'	10-12-60	2318-2348	18	S.Sb.	78	84	--	10' scallop dredge
2319	27°52.5'	80°06.5'	10-13-60	0052-0108	18	S.G.Sb.	78	84	--	10' scallop dredge
2320	27°52.5'	80°07'	10-17-60	0004-0054	19	S.Sb.	77	82	--	10' scallop dredge
2321	27°54'	80°06.3'	10-17-60	0100-0120	18	S.Sb.	77	82	--	10' scallop dredge
2322	27°52.5'	80°07'	10-17-60	0200-0220	18	S.Sb.	77	82	--	10' scallop dredge
2323	27°52.5'	80°08.5'	10-17-60	0250-0310	18	S.Sb.	77	82	--	10' scallop dredge
2324	27°52.5'	80°06'	10-17-60	0335-0405	18-16	S.G.	76	82	--	10' scallop dredge
2325	27°52.5'	80°06'	10-17-60	0417-0437	18-16	G.S.Sb.	76	82	--	10' scallop dredge
2326	27°52'	80°08'	10-17-60	0450-0520	16	S.G.Sb.	76	82	--	10' scallop dredge
2327	27°52.5'	80°06'	10-17-60	0535-0605	18	S.G.Sb.	78	82	--	10' scallop dredge
2328	27°54'	80°08'	10-17-60	0530-0700	17	S.G.Sb.	78	82	--	10' scallop dredge
2329	27°55'	80°08.5'	10-17-60	0708-0738	17-20	S.G.Sb.	80	82	--	10' scallop dredge
2330	27°55'	80°06'	10-17-60	0744-0814	20	S.Sb.	80	82	--	10' scallop dredge
2331	27°52.5'	80°06'	10-17-60	0915-0945	17-18	S.Sb.	82	82	--	10' scallop dredge
2332	27°50'	80°09'	10-17-60	1015-1045	14-15	S.Sb.	80	82	--	10' scallop dredge
2333	27°52.5'	80°07'	10-17-60	1150-1220	19	S.Sb.	80	82	--	10' scallop dredge
2334	27°53.5'	80°09.5'	10-17-60	1240-1300	18-17	S.Sb.	80	82	--	10' scallop dredge
2335	27°53'	80°09.5'	10-17-60	1315-1335	19	S.Sb.	80	82	--	10' scallop dredge
2336	27°53'	80°09.5'	10-17-60	1405-1430	19	S.Sb.	80	82	--	10' scallop dredge
2337	27°53'	80°09.5'	10-17-60	2215-2245	19	S.Sb.	77	72	--	10' scallop dredge
2338	27°53'	80°09.5'	10-18-60	1033-1103	19	S.Sb.	85	82	--	10' scallop dredge
2339	27°53'	80°09.5'	10-18-60	1013-1045	19	S.Sb.	90	82	--	10' scallop dredge
2340	27°53'	80°09.3'	10-19-60	1303-1333	19	S.Sb.	83	81	--	10' scallop dredge
2341	27°53'	80°09.3'	10-19-60	1205-1235	19	S.Sb.	83	81	--	10' scallop dredge
2342	27°53'	80°09.3'	10-19-60	1244-1314	19	S.Sb.	83	81	--	10' scallop dredge
2343	27°53'	80°09.3'	10-20-60	1108-1158	19	S.Sb.	87	82	--	10' scallop dredge
2344	27°53'	80°09.3'	10-20-60	1147-1218	19	S.Sb.	87	82	--	10' scallop dredge
2345	27°53'	80°09.3'	10-20-60	1228-1258	19	S.Sb.	87	82	--	10' scallop dredge
2346	27°53'	80°09.3'	10-21-60	1128-1158	19	--	--	82	--	10' scallop dredge
2347	27°53'	80°09.3'	10-21-60	1205-1235	19	S.Sb.	88	81	--	10' scallop dredge
2348	27°53'	80°09.3'	10-21-60	1245-1315	19	S.Sb.	88	82	--	10' scallop dredge
2349	27°53'	80°09.3'	10-21-60	1366-1356	19	S.Sb.	88	82	72	10' scallop dredge
2350	25°34.5'	80°06'	10-24-60	1635-1705	36	Spg.	78	82	--	41/47' 2-seam balloon trawl
2351	25°32.8'	80°04.5'	10-24-60	1718-1748	36	Spg.	78	75	--	8' scallop dredge
2352	25°34.1'	80°05.5'	10-24-60	1843-1905	15	Spg.	78	75	--	8' scallop dredge
2353	25°31.3'	80°05.7'	10-24-60	1923-1958	15	--	78	75	--	8' scallop dredge
2354	25°17'	80°09.5'	10-24-60	2123-2153	27	--	78	75	--	40' flat trawl
2355	25°15.5'	80°10'	10-24-60	2218-2245	15	--	78	75	--	40' flat trawl
2356	25°17'	80°09.5'	10-24-60	2318-2355	25	--	78	75	--	41/47' 2-seam balloon trawl
2357	25°04'	80°17'	10-25-60	0142-0242	55-30	--	78	75	--	41/47' 2-seam balloon trawl
2358	25°01'	80°20'	10-25-60	0325-0425	23-19½	Spg.	78	83	--	41/47' 2-seam balloon trawl
2359	24°59.5'	80°21'	10-25-60	0520-0620	59-19	Spg.	78	83	--	40/45' 2-seam balloon trawl
2360	25°00'	80°20.5'	10-25-60	0726-0756	37	Spg.Co.	78	76	--	8' scallop dredge
2361	24°58'	80°22.5'	10-25-60	0823-0853	26-30	Co.Spg.	78	76	--	8' scallop dredge
2362	24°56'	80°22'	10-25-60	0957-1027	46	Spg.	78	75	--	8' scallop dredge
2363	24°53.5'	80°19.5'	10-25-60	1117-1148	75-69	Co.	84	75	--	8' scallop dredge
2364	24°59.5'	80°20.5'	10-25-60	1237-1257	36-35	Spg.	84	83	--	8' scallop dredge
2365	24°58'	80°21.5'	10-25-60	1315-1330	32-30	Spg.	84	83	--	8' scallop dredge
2366	24°59.5'	80°20.5'	10-25-60	1342-1357	31-35	Spg.Co.	86	83	--	8' scallop dredge
2367	24°59'	80°19'	10-25-60	1410-1425	35-39	Spg.Co.	80	83	--	8' scallop dredge
2368	24°59.5'	80°20'	10-25-60	1438-1508	39-46	Co.	80	83	--	8' scallop dredge
2369	25°01'	80°19.5'	10-25-60	1525-1555	46-45	Co.Spg.	84	83	--	8' scallop dredge
2370	24°56.5'	80°22.5'	10-25-60	1655-1726	40-41	Co.Spg.	84	83	--	8' scallop dredge
2371	24°55'	80°24.5'	10-25-60	1756-1826	50	--	80	83	--	8' scallop dredge
2372	24°51'	80°31'	10-25-60	1850-1930	50	--	80	83	--	Dip Station
2373	24°51.5'	80°34.5'	10-25-60	2028-2058	20	sft.M.	80	83	--	8' scallop dredge
2374	24°50.5'	80°37.5'	10-25-60	2118-2125	15	Co.Spg.	80	83	--	8' scallop dredge
2375	24°49'	80°36'	10-25-60	2150-2220	25	sft.M.	80	83	--	8' scallop dredge
2376	24°47.5'	80°40'	10-25-60	2242-2342	25	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2377	24°49.5'	80°37.5'	10-26-60	0012-0113	21-20	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2378	24°47'	80°41'	10-26-60	0135-0235	20-21	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2379	24°45.5'	80°40'	10-26-60	0340-0440	30	M.Sb.	75	83	--	40/45' 2-seam balloon trawl
2380	24°44'	80°43.5'	10-26-60	0500-0600	30	--	86	83	--	41/45' 2-seam balloon trawl
2381	24°41'	80°46'	10-26-60	0646-0716	50-47	M.Rk.	--	83	--	8' scallop dredge
2382	24°42'	80°46.5'	10-26-60	0734-0804	45	--	80	83	--	8' scallop dredge
2383	24°43'	80°43.5'	10-26-60	0826-0900	48	M.	80	83	--	8' scallop dredge
2384	24°44.5'	80°40.5'	10-26-60	0927-0957	60	sft.M.	80	83	--	8' scallop dredge
2385	24°47.5'	80°36.5'	10-26-60	1034-1104	40	sft.M.	86	83	--	8' scallop dredge
2386	24°46'	80°41'	10-26-60	1127-1357	35	sft.M.	86	83	--	8' scallop dredge
2387	24°40'	80°41.5'	10-26-60	1300-1400	100	Rk.	86	83	--	8' scallop dredge
2388	24°43'	80°45'	10-26-60	1830-1930	40	M.	79	83	--	40/45' 2-seam balloon trawl
2389	24°45'	80°40.5'	10-26-60	1951-2051	45	M.	79	83	--	40/45' 2-seam balloon trawl
2390	24°42.5'	80°44'	10-26-60	2135-2235	50	--	75	83	--	40/45' 2-seam balloon trawl
2391	24°45'	80°40'	10-27-60	2310-0010	60	M.	81	83	--	40/45' 2-seam balloon trawl
2392	24°42.5'	80°43'	10-27-60	0035-0135	70	--	81	83	--	40/45' 2-seam balloon trawl
2393	24°44'	80°42'	10-27-60	0220-0420	45	--	80	83	--	40/45' 2-seam balloon trawl
2394	24°41.5'	80°43.5'	10-27-60	0510-0610	25	--	80	83	--	40/45' 2-seam balloon trawl
2395	24°40'	80°53'	10-27-60	0647-0747	35	--	80	83	--	40/45' 2-seam balloon trawl
2396	24°41'	80°52'	10-27-60	0835-0905	25	--	80	83	--	8' scallop dredge
2397	24°39.5'	80°55.5'	10-27-60	0938-1008	35	--	80	83	--	8' scallop dredge
2398	24°38'	80°58'	10-27-60	1017-1047	35	--	80	83	--	8' scallop dredge
2399	24°37'	80°00.5'	10-27-60	1058-1128	40	--	84	83	--	8' scallop dredge
2400	24°35'	80°05'	10-27-60	1156-1226	50	--	84	83	--	8' scallop dredge

Table 4.-M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Fathoms	° F.	° F.	° F.
2401	24°34.5'	81°07'	10-27-60	1244-1314	50-30	M.	84	83	--	8' scallop dredge
2402	24°35'	81°09'	10-27-60	1330-1400	30-25	Co.M.	84	84	--	8' scallop dredge
2403	24°34.5'	81°09.5'	10-27-60	1428-1458	40	--	--	85	--	8' scallop dredge
2404	24°34'	81°11.5'	10-27-60	1515-1545	45-50	--	84	85	--	8' scallop dredge
2405	24°31.5'	81°13'	10-27-60	1610-1640	75	--	84	84	--	8' scallop dredge
2406	24°31'	81°15.5'	10-27-60	1705-1745	75-100	Rk.	83	84	--	8' scallop dredge
2407	24°32.5'	81°17.5'	10-27-60	1847-2047	40	M.	83	84	--	40/45' 2-seam balloon trawl
2408	24°35'	81°11.5'	10-27-60	2122-2322	30	soft.M.	83	84	--	40/45' 2-seam balloon trawl
2409	24°35'	81°07.5'	10-28-60	0055-0255	32-30	--	78	84	--	40/45' 2-seam balloon trawl
2410	24°34'	81°04'	10-28-60	0310-0510	30	--	78	84	--	40/45' 2-seam balloon trawl
2411	24°32'	81°21.5'	10-28-60	0535-0635	30-35	--	78	84	--	40/45' 2-seam balloon trawl
2412	24°31.5'	81°26.5'	10-28-60	0718-0748	35	--	78	83	--	8' scallop dredge
2413	24°30.5'	81°28'	10-28-60	0806-0837	40	--	78	83	--	8' scallop dredge
2414	24°29'	81°30'	10-28-60	0859-0929	50	--	78	83	--	8' scallop dredge
2415	24°26'	81°28'	10-28-60	1015-1020	95	Rk.	80	83	--	8' scallop dredge
2416	24°18'	81°23'	10-28-60	1137-1203	125	Rk.	80	83	--	6' tumbler dredge
2417	24°14.5'	81°24'	10-28-60	1310-1340	150-155	Co.	80	83	--	6' tumbler dredge
2418	24°14.5'	81°24'	10-28-60	1412-1442	145-160	Co.Rk.	80	83	--	6' tumbler dredge
2419	24°14.5'	81°24'	10-28-60	1610-1640	250	--	80	85	--	6' tumbler dredge
2420	24°14.5'	81°24.5'	10-28-60	1738-1938	250	--	80	84	--	40/45' 2-seam balloon trawl
2421	24°13'	81°24'	10-28-60	2122-2250	325	--	80	84	--	40/45' 2-seam balloon trawl
2422	24°12'	81°30.5'	10-29-60	0026-0226	375-350	--	78	83	--	6' tumbler dredge
2423	24°14.5'	81°23'	10-29-60	0327-0456	250-245	Rk.	78	83	--	6' tumbler dredge
2424	24°14.5'	81°26.5'	10-29-60	0605-0713	150	--	78	83	--	6' tumbler dredge
2425	24°24'	81°59'	10-29-60	1359-1358	75	Rk. Co.	80	84	--	6' tumbler dredge
2426	24°23.5'	81°59'	10-29-60	1515-1525	120-115	Rk.	80	83	--	6' tumbler dredge
2427	24°20'	82°04'	10-29-60	1640-1700	120	--	85	83	--	6' tumbler dredge
2428	24°20'	82°44'	10-29-60	2205-2305	95	M.5b.	85	81	--	6' tumbler dredge
2429	24°22'	82°53'	10-30-60	0000-0030	60	5b.	78	81	--	8' scallop dredge
2430	24°24'	82°58'	10-30-60	0046-0115	60-50	--	78	81	--	8' scallop dredge
2431	24°25'	83°01'	10-30-60	0133-0203	50	--	78	81	--	8' scallop dredge
2432	24°27'	83°04'	10-30-60	0218-0248	40	Co.	78	81	--	8' scallop dredge
2433	24°28'	83°58'	10-30-60	0320-0350	30	Spg.Co.	77	81	--	8' scallop dredge
2434	24°29'	82°55'	10-30-60	0440-0510	40-42	Spg.	77	82	--	8' scallop dredge
2435	24°29.5'	83°15'	10-30-60	0568-0728	35-33	--	77	82	--	8' scallop dredge
2436	24°29.5'	82°13.5'	10-30-60	0748-0830	35	--	77	82	--	Dip net and hand line station
2437	24°51'	82°41.5'	10-30-60	--	17	Rk.	87	82	--	60/80' 2-seam balloon trawl
2438	24°51'	82°59'	10-30-60	1815-1915	18	M.	87	84	--	60/80' 2-seam balloon trawl
2439	24°51'	82°37.5'	10-30-60	1929-2129	18-15	--	87	84	--	60/80' 2-seam balloon trawl
2440	24°45'	82°38'	10-30-60	2148-0048	15	Co.M.Sh.	78	83	--	60/80' 2-seam balloon trawl
2441	24°51'	82°25'	10-31-60	0110-0410	15-17	M.S.	78	83	--	40/45' 2-seam balloon trawl
2442	24°00'	80°27'	11-2-60	2107-2205	12	--	77	83	--	40/45' 2-seam balloon trawl
2443	24°08'	80°09'	11-3-60	0140-0210	180-200	Rk.	77	83	--	6' tumbler dredge
2444	24°11'	79°51'	11-3-60	0400-0445	250	--	77	83	--	6' tumbler dredge
2445	24°08'	80°08'	11-3-60	0628-0706	138	Co.Rk.	77	83	--	6' tumbler dredge
2446	24°08'	80°09.5'	11-3-60	0742-0808	100-22	--	77	83	--	6' tumbler dredge
2447	24°00.5'	80°25'	11-3-60	1014-1022	125-90	Sb.	77	85	--	6' tumbler dredge
2448	24°00'	80°29'	11-3-60	1123-1253	270	--	--	85	--	40/45' 2-seam balloon trawl
2449	23°55'	80°34'	11-3-60	1340-1550	270	--	81	83	--	40/45' 2-seam balloon trawl
2450	23°42'	80°25'	11-3-60	1940-2040	10	--	--	83	--	Dip station
2451	23°30'	79°53'	11-4-60	2017-2022	5-6	S.	77	83	--	40' 2-seam balloon trawl
2452	23°30'	79°04'	11-5-60	0130-0200	125-130	--	77	83	--	6' tumbler dredge
2453	23°34.5'	79°02.5'	11-5-60	0249-0355	160-180	--	77	83	--	6' tumbler dredge
2454	23°34.5'	79°04'	11-5-60	0420-0535	210-240	--	75	83	--	6' tumbler dredge
2455	23°34.5'	79°03'	11-5-60	0645-0745	90-103	--	76	83	--	6' tumbler dredge
2456	23°39.5'	79°06'	11-5-60	0830-1030	150	Ors.	76	83	--	40' balloon trawl
2457	23°34.5'	79°07'	11-5-60	1142-1342	250	--	82	85	--	40' 2-seam balloon trawl
2458	23°40'	79°18'	11-5-60	1600-1900	290	--	--	85	--	40/45' 2-seam balloon trawl
2459	23°47'	79°20'	11-5-60	1938-2115	290	--	77	83	--	Dip station
2460	23°35'	79°34.5'	11-6-60	0012-0042	130-100	S.5b.	78	83	--	6' tumbler dredge
2461	23°35'	79°53'	11-6-60	0155-0230	180-160	M.	78	83	--	6' tumbler dredge
2462	23°37'	79°34'	11-6-60	0330-0445	200-225	Co.	76	83	--	6' tumbler dredge
2463	23°38'	79°33'	11-6-60	0549-0710	275	--	76	83	--	6' tumbler dredge
2464	23°34'	79°05'	11-6-60	1141-1341	150	--	86	84	--	40/45' 2-seam balloon trawl
2465	23°40'	79°04'	11-6-60	1523-1534	75-90	M.	86	83	--	6' tumbler dredge
2466	23°40.2'	79°04'	11-6-60	1610-1640	75-90	Co.	86	83	--	40/45' 2-seam balloon trawl
2467	23°40.2'	79°06.5'	11-6-60	1707-1807	125	--	86	85	--	40/45' 2-seam balloon trawl
2468	23°52'	79°11'	11-6-60	1940-2140	210-200	--	78	83	--	40/45' 2-seam balloon trawl
2469	23°59'	79°17.5'	11-6-60	2253-0153	290-300	--	76	83	--	40' 2-seam balloon trawl
2470	24°25'	79°13'	11-7-60	0455-0625	125	--	76	83	68.2	40/45' 2-seam balloon trawl
2471	24°34'	79°16'	11-7-60	0847-1047	150	--	76	82	--	40/45' 2-seam balloon trawl
2472	24°40'	79°16'	11-7-60	1130-1330	200	--	78	82	--	40/45' 2-seam balloon trawl
2473	24°45'	79°18'	11-7-60	1508-1808	300	--	--	82	62	40/45' 2-seam balloon trawl
2474	24°56'	79°18'	11-7-60	2005-2305	300	--	73	82	--	40' 2-seam balloon trawl
2475	24°44'	79°17'	11-8-60	0030-0330	300	--	70	82	--	40' 2-seam balloon trawl
2476	25°22.5'	79°14.5'	11-8-60	0859-1029	100	--	70	82	67.46	40' 2-seam balloon trawl
2477	25°15'	79°13'	11-8-60	--	200	--	77	81	77.7	40' 2-seam balloon trawl
2478	25°22'	79°19'	11-8-60	1558-1835	300	--	73	81	--	40' 2-seam balloon trawl
2479	25°29.5'	79°19'	11-9-60	2318-0118	200	--	73	81	--	40/45' 2-seam balloon trawl
2480	26°06.5'	79°10'	11-9-60	0640-0740	122-125	Co.	72	80	--	6' tumbler dredge
2481	26°08'	79°11.5'	11-9-60	0855-1025	200	--	72	81	--	6' tumbler dredge
2482	26°07'	79°12'	11-9-60	1252-1452	200	M.	82	81	--	40/45' 2-seam balloon trawl
2483	26°25.5'	79°01'	11-9-60	1817-1950	300	M.	82	81	--	40/45' 2-seam balloon trawl
2484	26°39'	79°30'	11-10-60	0108-0220	400	--	--	81	--	40/45' 2-seam balloon trawl
2485	25°46.5'	79°18.5'	11-10-60	--	25	Rk. Co.	78	81	--	6' tumbler dredge
2486	25°49'	79°18'	11-10-60	1008-1012	25-60	--	78	81	--	6' tumbler dredge
2487	25°46'	79°18.5'	11-10-60	1040-1057	115-75	--	78	81	--	6' tumbler dredge
2488	25°41'	79°20'	11-10-60	1220-1252	115-45	Co.	93	81	81.32	6' tumbler dredge
2489	25°43'	79°20'	11-10-60	1342-1415	165-75	--	93	82	--	6' tumbler dredge
2490	25°39'	79°50'	11-10-60	1815-1920	220	--	--	81	79	Dip station
2491	25°45'	79°58.5'	11-10-60	2055-2110	150	--	78	81	--	Dip station
2492	25°45'	79°58.5'	11-10-60	2123-2223	150	--	78	81	67.5	6' tumbler dredge
2493	25°45'	79°58.5'	11-10-60	2342-0042	150	--	79	80	--	6' tumbler dredge
2494	27°01'	79°59.5'	11-12-60	1818-1848	17	--	75	79	--	8' scallop dredge
2495	27°03.5'	80°00'	11-12-60	1905-1935	20	S.	75	79	--	8' scallop dredge
2496	27°01'	79°58.5'	11-12-60	1949-2219	23-25	S.	75	79	--	8' scallop dredge
2497	27°03'	79°58.5'	11-12-60	2045-2115	40	--	75	79	--	8' scallop dredge
2498	27°03'	79°58.5'	11-12-60	2134-2204	40	--	75	79	--	8' scallop dredge
2499	27°05.5'	80°02'	11-12-60	2239-2309	14	S.	75	79	--	8' scallop dredge
2500	27°07'	80°01.5'	11-12-60	2330-2400	18	S.	75	79	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
Fathoms										
2501	27°08'	80°00.5'	11-12-60	0020-0050	21-22	S.	75	79	--	8' scallop dredge
2502	27°09'	80°00.5'	11-13-60	0110-0140	25	--	75	79	--	8' scallop dredge
2503	27°11.5'	80°02'	11-13-60	0222-0252	19	G.S.	75	79	--	8' scallop dredge
2504	27°13'	80°02'	11-13-60	0512-0342	16	--	75	79	--	8' scallop dredge
2505	27°14.5'	80°03.2'	11-13-60	0400-0430	14	--	75	79	--	8' scallop dredge
2506	27°15.5'	80°02.2'	11-13-60	0453-0538	20-24	S.G.	75	79	--	8' scallop dredge
2507	27°14'	80°01.5'	11-13-60	0551-0636	24-28	--	76	79	--	8' scallop dredge
2508	27°14.5'	80°01.5'	10-13-60	0700-0730	21	G.	75	79	--	8' scallop dredge
2509	27°17'	80°03'	11-13-60	0818-0848	17	G.	76	79	--	8' scallop dredge
2510	27°18.5'	80°02'	11-13-60	0906-0936	19	G.	76	79	--	8' scallop dredge
2511	27°19.5'	80°01.5'	11-13-60	0906-0936	20-21	G.	76	79	--	8' scallop dredge
2512	27°21'	80°03'	11-13-60	1048-1117	15	G.	81	79	--	8' scallop dredge
2513	27°50'	80°09'	11-13-60	1525-1555	18	G.	81	79	--	8' scallop dredge
2514	27°52'	80°07'	11-13-60	1700-1730	18	S.Sh.	75	79	--	8' scallop dredge
2515	27°52'	80°07'	11-13-60	1742-1812	18	S.Sb.	75	79	--	8' scallop dredge
2516	27°52'	80°09'	11-14-60	0005-0035	18-19	S.Sh.	76	79	--	8' scallop dredge
2517	27°52'	80°09'	11-14-60	0046-0114	19	S.Sh.	76	78	--	8' scallop dredge
2518	27°52'	80°09'	11-14-60	0748-0805	--	S.Sh.	74	78	--	8' scallop dredge
2519	27°52'	80°09'	11-14-60	1300-1330	19	S.Sb.	90	77	--	8' scallop dredge
2520	27°52'	80°09'	11-14-60	1347-1412	19	S.Sb.	90	78	--	8' scallop dredge
2521	27°52'	80°09'	11-14-60	1430-1500	19	S.Sb.	90	77	76.28	8' scallop dredge
2522	28°45.5'	80°07.5'	11-15-60	0735-0820	37	S.	73	78	--	8' scallop dredge
2523	28°53'	80°05'	11-15-60	0919-1019	49	--	73	77	--	8' scallop dredge
2524	32°58'	78°58'	12-2/3-60	2119-0720	12	Sb.Co.	--	65	--	8' scallop dredge
2525	35°01'	78°49'	12-5-60	0856-0956	10-13	S.Sb.	64	62	64.85	40/60' 2-seam fish trawl
2526	35°00'	78°57.5'	12-5-60	1107-1207	13-14	S.	64	62	68.75	40/60' 2-seam fish trawl
2527	32°53'	78°53'	12-3-60	1357-1457	20	S.	64	71	70.8	40/60' 2-seam fish trawl
2528	32°47.5'	78°19.5'	12-3-60	1642-1753	30	--	53	73	--	60/80' 2-seam balloon trawl
2529	32°40'	78°25'	12-3-60	1920-2120	95	--	53	73	--	Dip station
2530	32°37.5'	78°23'	12-4-60	0630-0700	90	Rk.	55	73	--	6' tumbler dredge
2531	32°44'	78°32.5'	12-4-60	1005-1035	23	S.Sb.	55	73	--	50/70' 2-seam balloon trawl
2532	32°49'	78°32'	12-4-60	1124-1220	22	--	58	72	--	50/70' 2-seam balloon trawl
2533	32°55'	78°31.5'	12-4-60	1335-1445	21	S.Sh.	58	68	69.8	50/70' 2-seam balloon trawl
2534	32°51'	78°01	12-4-60	1845-2145	--	S.	60	74	--	Dip station w/500 watt light
2535	32°51'	78°01	12-5-60	0630-0700	65	S.	62	74	--	6' tumbler dredge
2536	33°00'	78°02'	12-5-60	0907-1007	30-28	S.Sb.	64	74	75.2	50/70' 2-seam fish trawl
2537	33°08'	77°46'	12-5-60	1304-1404	30-40	S.	80	74	--	50/70' 2-seam fish trawl
2538	33°07'	77°40'	12-5-60	1522-1624	48	S.Sb.	78	75	--	50/70' 2-seam fish trawl
2539	33°05.5'	77°35.5'	12-5-60	1804-1834	100	S.Sb.	64	76	--	6' tumbler dredge
2540	33°12'	77°14'	12-5-60	2100-2400	110	--	64	77	--	Dip station and larval trawl
2541	33°12'	77°14'	12-6-60	0700-0730	105-92	M.S.	65	77	--	6' tumbler dredge
2542	33°24.5'	77°12.5'	12-6-60	0928-1028	22-24	S.Sb.	72	76	--	50/70' 2-seam fish trawl
2543	33°26.5'	75°13'	12-6-60	1122-1224	22	S.Sb.	86	75	74.8	50/70' 2-seam fish trawl
2544	33°19'	77°19'	12-6-60	1354-1519	17	S.Sb.	86	76	--	50/70' 2-seam balloon trawl
2545	33°12.5'	77°26'	12-6-60	1709-1810	27	S.Sb.	65	77	--	50/70' 2-seam balloon trawl
2546	33°11'	77°26'	12-6-60	1835-2100	27	--	65	77	--	Dip station
2547	33°11'	77°26'	12-7-60	0700-0735	27-57	Sb.	67	77	--	6' tumbler dredge
2548	30°00'	78°59.5'	12-7-60	1649-1755	16	S.Sb.	--	66	68	50/70' 2-seam fish trawl
2549	32°52'	79°14'	12-8-60	0700-0730	8	S.Sb.	56	56	--	14-tooth clam dredge
2550	32°58'	79°16.5'	12-8-60	0817-0847	6	M.Sb.	56	56	59.9	14-tooth clam dredge
2551A	32°55.5'	79°19.5'	12-8-60	0904-1016	6	M.Sb.	56	55	--	40' 2-seam shrimp trawl
2551B	32°55.5'	79°19.5'	12-8-60	0904-0934	6	M.S.	56	55	--	14-tooth clam dredge
2552	32°55.5'	79°21'	12-8-60	--	6	M.Sb.	56	55	--	14-tooth clam dredge
2553	32°55.5'	79°22.5'	12-8-60	1025-1117	6	S.Sb.	58	55	--	40' 2-seam shrimp trawl
2554	32°56'	79°30'	12-8-60	1145-1215	4	M.Sb.	56	56	--	14-tooth clam dredge
2555	32°52'	79°30'	12-8-60	1250-1500	4	M.Sb.	56	56	--	14-tooth clam dredge
2556	32°47.5'	79°35'	12-8-60	1322-1352	5	--	56	54	--	14-tooth clam dredge
2557	32°47.5'	79°37'	12-8-60	1400-1430	5	--	54	54	--	14-tooth clam dredge
2558	32°47.5'	79°38.5'	12-8-60	1445-1515	5	--	56	54	--	14-tooth clam dredge
2559	32°40'	79°37.5'	12-8-60	1558-1602	6	--	55	54	--	14-tooth clam dredge
2560	32°37'	79°51'	12-10-60	1227-1257	5	S.Sb.	54	54	--	14-tooth clam dredge
2561	32°33.5'	79°55.5'	12-10-60	1321-1351	5	--	54	54	--	14-tooth clam dredge
2562	32°33'	79°57'	12-10-60	1426-1456	4½	--	54	51	--	14-tooth clam dredge
2563	32°32'	80°03'	12-10-60	1520-1550	4½	--	50	53	--	14-tooth clam dredge
2564	32°30.5'	80°07'	12-10-60	1616-1646	4½	--	50	53	--	14-tooth clam dredge
2565	32°28'	80°11'	12-10-60	1709-1739	5	--	50	53	--	14-tooth clam dredge
2566	32°26'	80°15'	12-10-60	1802-1832	5	--	55	55	55.4	14-tooth clam dredge
2567	32°21.5'	80°16.5'	12-10-60	1857-1927	4½	--	55	52	--	14-tooth clam dredge
2568	32°18'	80°21'	12-10-60	--	5	S.Sb.	55	55	--	14-tooth clam dredge
2569	32°18.5'	80°26.5'	12-10-60	2047-2117	5	S.Sb.	60	55	--	14-tooth clam dredge
2570	32°11'	80°29'	12-10-60	2159-2140	6	S.Sb.	55	54	--	14-tooth clam dredge
2571	32°07'	80°32'	12-10-60	2220-2250	7	S.Sb.	55	54	--	14-tooth clam dredge
2572	32°04'	80°37.5'	12-10-60	2319-2349	7	S.	56	54	--	14-tooth clam dredge
2573	31°58.5'	80°34.5'	12-11-60	0035-0105	4½	M.Sb.	58	54	--	14-tooth clam dredge
2574	31°56.5'	80°48.5'	12-11-60	0132-0202	4-4½	M.Sb.	58	54	--	14-tooth clam dredge
2575	31°52'	80°52'	12-11-60	0230-0300	5-4½	--	58	54	--	14-tooth clam dredge
2576	30°50.5'	80°54.5'	12-11-60	0313-0343	4½	M.	57	54	--	14-tooth clam dredge
2577	31°47.5'	80°56.5'	12-11-60	0402-0432	4	M.S.	56	54	--	14-tooth clam dredge
2578	31°45'	80°45'	12-11-60	0603-0703	8-10	S.Sb.	72	55	--	40/45' 2-seam balloon trawl
2579	31°46'	80°33.5'	12-11-60	0820-0920	10-12	S.Sb.	60	61	--	40/45' 2-seam balloon trawl
2580	31°49.5'	80°21'	12-11-60	1038-1138	13	S.Sb.	72	66	--	40/45' 2-seam balloon trawl
2581	31°58.5'	80°09.5'	12-11-60	1255-1355	14	S.Sb.	72	68	--	40/45' 2-seam balloon trawl
2582	31°55'	78°05'	12-14-60	0633-1200	370	--	59	77	--	50' midwater trawl
2583	32°11'	77°24'	12-14-60	1355-1755	425	--	54	77	--	50' midwater trawl
2584	32°11'	77°22'	12-15-60	1844-0607	425	--	59	77	--	50' midwater trawl

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